CONTENTS OF VOLUME 54

JANUARY–FEBRUARY 1975 • NO. 1

3 Editorial Views and News

4 International Association for Dental Research

MANUSCRIPTS

7 Dielectric Properties of Polycarboxylate Cements—M. Braden and R. L. Clarke

10 Effects of Cement Bases on the Stresses in Amalgam Restorations—J. W. Farah, J. A. A. Hood, and R. G. Craig

16 Hypodontia: A Polygenic Trait—A Family Study Among Israeli Jews—A. Chosack, E. Eidelman, and T. Cohen

20 Surface-Chemical Studies on Chlorhexidine and Related Compounds: I. Effects at Air-Water, *n*-Hexane-Water, and Hydroxyapatite-Water Interfaces—R. G. Fisher, R. P. Quintana, and M. A. Boulware

25 Surface-Chemical Studies on Chlorhexidine and Related Compounds: II. Interactions with Monomolecular-Film Systems—R. G. Fisher and R. P. Quintana

32 Studies on Ca^{2+}-Stimulated Adenosine Triphosphatase in Rat Submandibular Glands: Its Distribution and Properties—S. Furuyama, T. Negishi, Y. Tobe, and H. Takiguchi

41 Assessment of Microleakage Using a Conductimetric Technique—P. H. Jacobsen and J. A. Von Fraunhofer

49 Dentifrice Detergent: Its Effect on Human Enamel—W. J. Hamilton, Jr., G. Judd, and G. S. Ansell

53 Influence of an Experimental Sodium Fluoride Dentifrice on Dental Caries Incidence in Children—G. K. Stookey and B. B. Beiswanger

59 Extractions in the Presence of Acute Infections—C. S. Martis and D. T. Karakasis

62 Parotid Saliva Enzymes in Down's Syndrome—R. A. Winer and H. H. Chauncey

65 Formation of $CaHPO_4 \cdot 2H_2O$ in Tooth Enamel as an Intermediate Product in Topical Fluoride Treatments—L. C. Chow and W. E. Brown

77 Arteriosclerotic Changes Within the Diabetic Oral Vasculature—J. J. Keene, Jr.

83 Role of Afferent Sensors in the Initiation of Swallowing in Man—C. H. Hollshwander, H. S. Brenman, and M. H. F. Freidman

89 Potential Applications of Certain Nickel-Titanium (Nitinol) Alloys—S. Civjan, E. F. Huget, and L. B. DeSimon

97 Postdevelopmental Effects of Boron, Fluoride, and Their Combination on Dental Caries Activity in the Rat—F. T. Y. Liu

104 Influences of Clinical Factors on Marginal Adaptation and Residual Mercury Content of Amalgam—R. J. MATHEWSON and K. H. LU

110 Dentinoenamel Junction Area of a Resorbing Permanent Incisor Studied by Means of Scanning Electron Microscopy—J. SELA, M. SELA, J. LUSTMANN, and M. ULMANSKY

114 In Vivo Occlusal Forces and Moments: I. Forces Measured in Terminal Hinge Position and Associated Moments—R. M. MANSOUR and R. J. REYNIK

121 In Vivo Occlusal Forces and Moments: II. Mathematical Analysis and Recommendations for Instrumentation Specifications—R. M. MANSOUR and R. J. REYNIK

125 Electron Microscopic Study of the Cytotoxicity of Cadmium and Mercury In Vitro—H. KAWAHARA, Y. TAKASHIMA, M. NAKAMURA, A. YAMAGAMI

131 Effect of Exogenous Lipid on Lipid Synthesis by Bone and Bone Cell Cultures—G. S. SCHUSTER, T. R. DIRKSEN, and W. S. HARMS

140 Inhibitory Spectrum of a Bacteriocinlike Substance (Mutacin) Produced by Some Strains of *Streptococcus mutans*—S. HAMADA and T. OOSHIMA

146 Effect of Temperature and Humidity on the Adhesive Strength of Orthodontic Direct Bonding Materials—M. A. KHOWASSAH, S. E. BISHARA, T. C. FRANCIS, and W. HENDERSON

152 Scanning Electron Microscopy of Cavity Margins Finished With Ultra-Speed Instruments—T. I. LEIDAL and L. TRONSTAD

160 Effect of Topical Applications of Neutral Sodium Fluoride on Dental Caries in the Rat—S. POULSEN and R. H. LARSON

164 Objective Quantification Method for Measuring in Vivo Accumulated Dental Plaque—L. D. TRAPP, W. H. NOBLE, R. NAVARRO, and E. GREEN

168 Elasticity of Impression Materials: IV. Permanent Deformation as a Function of Time—T. M. KALOYANNIDES and L. CHRISTIDOU

174 Radioautographic Evaluation of Changes Induced in the Rat Incisor by High-Speed Cavity Preparation—J. C. SEARLS

ANNOTATIONS

183 Free Amino Acid Pools of Cariogenic Streptococci—Z. KRZEMINSKI

184 Dry Socket and Dysglycemia—W. M. RINGSDORF, JR. and E. CHERASKIN

185 Effect of Magnesium on *Bacterionema matruchotii* Calcification—W. F. KILLIAN and J. ENNEVER

186 Extracellular Invertase Activity from *Actinomyces viscosus*—C. J. PALENIK and C. H. MILLER

187 Influence of Different Carboxylic Acids on Enamel Dissolution in the Presence and Absence of Sucrose—J. L. MCDONALD, JR. and G. K. STOOKEY

188 The Presence of Cytidine 5′-Monophosphosialic Acid: Glycoprotein Sialtransferase in Human Saliva—R. NAKAMURA and A. TSUNEMITSU

189 Effect of Nontoxic Doses of F and Sn Salts on Rat Liver Metabolism In Vivo—D. W. ALLMANN, J. P. MAPES, and M. BENAC

190 Pathways for Glucose Metabolism in the Rat Gingiva: II. In Vitro Studies of the Fate of Glucose-UL-^{14}C—J. W. SIMPSON

191 Inhibition of Gram-Negative Rods in Transport and Holding Medium—H. M. STILES and B. B. RUNDELL

192 Effect of Cooking Vessel Composition on Fluoride—C. A. FULL and F. M. PARKINS

193 Sexual Dimorphism in the Rat Submandibular Gland—B. D. MUDD and S. C. WHITE

194 Technique for Studying the Dynamics of Oral Mucosal Permeability In Vitro—M. C. ALFANO, J. F. DRUMMOND, and S. A. MILLER

195 A Simple Method for Estimating Viable Filamentous Bacteria in Plaque—R. M. MCCABE, G. J. HAGEAGE, JR., and P. H. KEYES

196 Instructions to Authors

MARCH–APRIL 1975 • NO. 2

200 Editorial Views and News

MANUSCRIPTS

201 An Improved Abrasive Enamel Microsampling Device—S. H. Y. WEI and J. S. WEFEL

206 Effect of Ultrasonic $ZnPO_4$ Cement Removal on Band Adhesion and Cement Solubility Under Orthodontic Bands—R. L. SHAVER, I. A. SIEGEL, and J. I. NICHOLLS

212 Temperature of the Pulp Chamber During Impression Taking of Full Crown Preparations with Modelling Compound—R. GRAJOWER, E. KAUFMAN, and N. STERN

218 Quantitative Microprobe Analysis of Amalgam—D. B. MAHLER, J. D. ADEY, and J. VAN EYSDEN

227 Effects of Cement Type and Thickness on Retention of Serrated Pins—K. C. TRABERT, A. A. CAPUTO, E. C. HANSON

232 Laser Fusion of Selected Dental Casting Alloys—J. D. PRESTON and M. H. REISBICK

239 Tooth Size Associations of Three Morphologic Dental Traits in a Melanesian Population—A. V. LOMBARDI

244 Distribution of the Dental Lamina and Deciduous Tooth Development in the Mandible of the Domestic Pig—W. S. BIVIN and R. C. MCCLURE

251 Effect of Constant Currents on Orthodontic Tooth Movement in the Cat—D. C. BEESON, L. E. JOHNSTON, and J. WISOTZKY

255 Distribution of Stresses in Porcelain-Fused-to-Metal and Porcelain Jacket Crowns—J. W. FARAH and R. G. CRAIG

262 Penetrativity of Sealants: I.—P. L. FAN, L. W. SELUK, and W. J. O'BRIEN

265 Developmental Potentialities of Marrow Tissue Culture Cells Surviving Programmed Freezing—S. W. NELSON

269 Latency and Inhibition of Human Masticatory Muscles Following Stimuli—B. R. D. GILLINGS and I. J. KLINEBERG

280 Solubility and Water Absorption of Orthodontic Cements—J. B. MOSER, D. B. BROWN, D. B. DOWLING, and E. H. GREENER

284 Selection of a Resin System for Anterior Fracture Treatment—J. JEDRYCHOWSKI and M. H. REISBICK

290 Levans: I. Fractionation, Solution Viscosity, and Chemical Analysis of Levan Produced by *Streptococcus salivarius*—J. EHRLICH, S. S. STIVALA, W. S. BAHARY, S. K. GARG, L. W. LONG, and E. NEWBRUN

298 Effects of Oral Streptococci on Electrophoretic Properties of Human Salivary Anionic Proteins—R. A. COWMAN and R. J. FITZGERALD

304 Effect of Conditioning with Fluoride and Phosphoric Acid on Enamel Surfaces as Evaluated by Scanning Electron Microscopy and Fluoride Incorporation—D. KOCHAVI, I. GEDALIA, and J. ANAISE

310 Reinforced Polycarboxylate Cements—J. A. BARTON, JR., G. M. BRAUER, J. M. ANTONUCCI, and M. J. RANEY

324 Genetic and Epidemiologic Studies of Oral Characteristics in Hawaii's Schoolchildren: V. Sibling Correlations in Occlusion Traits—C. S. CHUNG and J. D. NISWANDER

330 Glucose Transport in *Streptococcus mutans:* Preparation of Cytoplasmic Membranes and Characteristics of Phosphotransferase Activity—C. F. SCHACHTELE

339 Fracture Mechanics of Dental Poly (methyl methacrylate)—B. E. CAUSTON

344 Dental Field Theory: An Application to Primate Evolution—A. M. HENDERSON and D. L. GREENE

351 Instrumental Evaluation of Mouth Odor in a Human Clinical Study—M. C. SOLIS-GAFFAR, H. P. NILES, W. C. RAINIERI, and R. C. KESTENBAUM

358 Effects of Repeated Oral Doses of Demethylchlortetracycline on Bones and Dentin of Young Rhesus Monkeys—P. K-J. YEN and J. H. SHAW

365 Effects of Phosphates in Acid-Containing Beverages on Tooth Erosion—G. H. REUSSNER, G. COCCODRILLI, JR., and R. THIESSEN, JR.

371 Specificity and Some Physical Properties of Cathespin D from Bovine Uterus and Dental Pulp—C. SCHWABE

378 Effect of Single Versus Fractionated Doses of X-radiation on Incisors in Rats—Y. HORN, A. MARKITZIU, and M. ULMANSKY

384 Studies of Fluorapatite: II. The Solubility Behavior—A. R. HAGEN

394 Cellular Responses to Dental Amalgam In Vitro—H. KAWAHARA, M. NAKAMURA, A. YAMAGAMI, and T. NAKANISHI

402 Scanning Electron Microscopy of Dentition: Methodology and Ultrastructural Morphology of Tooth Wear—G. V. SHKURKIN, A. J. ALMQUIST, A. A. PFEIHOFER, and E. L. STODDARD

407 Computer-Facilitated Nutritional Analysis—J. M. GOODSON, R. SPROAT, and S. J. SILVERSTEIN

ANNOTATIONS

413 Prevention of 6-aminonicotinamide (6-AN)-Induced Cleft Palate in Rats with Pyridine Nucleotides—J. G. CHAMBERLAIN

414 Size Varibility Within the Deciduous Dentitions of Male and Female *Macaca nemestrina*—J. E. SIRIANNI and D. R. SWINDLER

415 Wound Healing After Potassium Hydroxide and Surgical Gingivectomy in Rats—J. C. STOKES, P. B. ROBERTSON, and C. J. MAHAN

416 Lipid Dependent Calcification of Elephant Tusk Matrix—J. J. VOGEL and J. ENNEVER

417 The Presence of Guanosine Diphosphofucose: Glycoprotein Fucosyltransferase in Human Saliva—R. NAKAMURA and A. TSUNEMITSU

418 Developmental Changes in Potassium Dependent Phosphatase in Rat Submandibular Gland—Y. SON, M. MAKIMURA, S. FURUYAMA, T. TANAKA, and H. TAKIGUCHI

419 Lactic Acid Concentrations in Various Tooth Structures in Rats Maintained on Either a Cariogenic or Noncariogenic Diet—R. R. STEINMAN, J. LEONORA, E. SHIROMA, and T. DWYER

420 Early Prenatal Variability in the Order of Permanent Tooth Development—S. M. GARN, A. R. BURDI, and J. SUPERSTINE

421 Effect of Fissure Sealants on the Prevention and Progress of Caries in Rats—A. H. EL-KAFRAWY and D. F. MITCHELL

422 Comparison of Wet Weight of Plaque and a Plaque Index—N. D. GILMORE and R. E. CLARK

423 Minocycline and Its Influence on Calcifying Tissues of Young Monkeys—P. K-J. YEN and J. H. SHAW

424 Association Between HL-A2 Antigen and Various Periodontal Diseases in Young Adults—R. S. KASLICK, T. L. WEST, A. I. CHASENS, P. I. TERASAKI, R. LAZZARA, and S. WEINBERG

425 Experimental Gingivitis: Development of a New Strain of Plaque Susceptible Rat—N. ITO, Y. AZUMA, and M. MORI

426 Erosion and Fluoride Content in Molar Surfaces of Rats that Drank a Cola Beverage With and Without Fluoride—E. SHABAT, J. ANAISE, V. WESTREICH, and I. GEDALIA

427 Stress Relaxation Studies on Amalgam—J. M. PADDON and A. D. WILSON

428 Mechanical Properties of a Nonprecious Type III Alloy—A. A. CAPUTO and M. H. REISBICK

MAY–JUNE 1975 • NO. 3

432 Editorial Views and News

MANUSCRIPTS

433 Effect of Sugar Analogues on Growth, Sugar Utilization, and Acid Production by *Streptococcus mutans*—C. F. SCHACHTELE and W-L. S. LEUNG

441 Herpes Simplex Virus Type 1 Replication in a Gingival Cell Line—R. D. FLETCHER, J. GUGGENHEIMER, D. SUMNEY, and D. PLATT

444 In Vivo Tetracycline Labeling of Experimentally Induced Reparative Dentin in Human Teeth—M. TAGGER, S. PERLMUTTER, H. GALON, and M. HELFT

449 Effect of Sodium Phytate on the Chemical and Microbial Composition of Dental Plaque in the Monkey *(Macaca fascicularis)*—M. F. COLE and W. H. BOWEN

458 Surgical Method for Exteriorizing the Orifice of Stensen's Duct for Long-Term Collection of Parotid Saliva—A. TAMIRIN and O. A. SMITH

461 Enamel Demineralization by Snack Foods—B. G. BIBBY and S. A. MUNDORFF

471 Antimalarial Drugs and Reduced Incidence of Dental Plaque—K. E. KINNAMON, E. H. ECKERMANN, T. R. TEMPEL, J. H. SMITH, and C. R. WOLF

475 Formation of $CaHPO_4 \cdot 2H_2O$ from Enamel Mineral and Its Relationship to Caries Mechanism—W. E. BROWN, P. R. PATEL, and L. C. CHOW

482 Chemical Composition of the Washed Cells of *Streptococcus sanguis* (804) and *Streptococcus mutans* (B-14)—M. L. SHARMA and E. NEWBRUN

487 Staining Reaction of Dental Plaque After Various Extraction Procedures—T. M. CHRISTIE, R. LACY, and E. NEWBRUN

493 Mixtures of Elastomer Impression Materials: II. Measurement of Young's Modulus of Elasticity and Permanent Deformation—T. M. KALOYANNIDES and D. J. KAPARI

496 Predisposition to Caries in Hamsters Following the Erosive Effect of a Commercial Citrus Beverage Administered With and Without Supplemental Fluoride—I. GEDALIA, J. ANAISE, V. WESTREICH, and A. FUKS

500 In Vitro Determination of the Antimicrobial Properties of Two Cyanoacrylate Preparations— G. N. LLUM, W. A. NOLTE, and P. B. ROBERTSON

504 Comparison of the Effects of Linear and Cyclic Phosphates on the Adsorption of Proteins by Human Enamel—J. M. BRISCOE, JR. and K. M. PRUITT

508 Autotransplants and Allotransplants of Teeth in the Subcutaneous Tissue of Rabbits: A Histological Study—E. G. BIRMAN and N. SOARES DE ARAUJO

515 Multiple Regression of Predictors and Criteria of Dental School Performance—J. B. HOUSTON and I. N. MENSH

522 Peripheral Blood Toxicity of Topical 5-Fluorouracil on the Syrian Hamster Cheek Pouch—H. M. CHERRICK and B. D. MCKELVY

527 Physical Characteristics of a New Cleaning and Polishing Agent for Use in a Prophylaxis Paste—M. S. PUTT, C. J. KLEBER, J. A. DAVIS, R. G. SCHIMMELE. and J. C. MUHLER

535 Origin of Cyclic Adenosine Monophosphate in Saliva—T. KANAMORI, T. NAGATSU, and S. MATSUMOTO

540 Enhancement of the Antiplaque Value of Antibacterial Agents by Enamel-Conditioning Methods: I. Rationale, Mechanism, and Initial Findings—S. KATZ and K. PARK

548 Denistry, Medicine, Pharmacy: Temperament, Interests, Ability, and Socio-economic Index of Three Stable Career Groups—J. K. WITTEMANN, F. T. SCHIMPFHAUSER, and A. CROWLEY

553 Labeling Index and Cell Density of Aging Rat Oral Tissues—P. D. TOTO, A. S. RUBINSTEIN, and A. W. GARGIULO

557 Model Practice as a Valid Research Tool for Studying Actual Private Practice—D. G. CHADWICK

561 Histological Response to Ivory Implanted in Rabbit Mandibles—F. J. CERAVOLO, J. A. MOLINARI, and A. BAUMHAMMERS

567 Effect of Infusing Selected Chemical Compounds on Dentinal Fluid Movement in the Rat—R. R. STEINMAN and J. LEONORA

570 Effect of Selected Dietary Additives on the Incidence of Dental Caries in the Rat—R. R. STEINMAN and J. LEONORA

578 Acidogenic Potential of Cariogenic and Noncariogenic Diets in the Rat—R. R. STEINMAN and J. LEONORA

581 Posteruptive Tooth Age in Children with Down's Syndrome and Their Sibs—G. ORNER

588 Colored Charge-Transfer Complexes from N,N-Dimethyl-p-Toluidine—H. ARGENTAR and R. L. BOWEN

599 Dimethacrylate Monomers of Aromatic Diethers—R. L. BOWEN and J. M. ANTONUCCI

605 Prevalence of Malocclusion in Young Adults of Various Ethnic Backgrounds in Israel—A. B. KRZYPOW, M. A. LIEBERMAN, and M. MODAN

609 Antibodies in the Saliva and Serum of Rats Sensitized by Intraductal Instillation of Antigen into the Parotid Gland—J. H. BOSS, E. ROSENMANN, J. SELA, M. ULMANSKY, and T. DISHON

615 Some Toxicological Aspects of Stannous Fluoride After Ingestion as a Clear, Precipitatefree Solution Compared to Sodium Fluoride—J. K. J. LIM, G. K. JENSEN, and O. H. KING, JR.

626 Cytomegalovirus in the Submandibular and Sublingual Glands of the Southern Grasshopper Mouse *(Onychomys torridus torridus)*—A. F. R. KEIS and O. G. MITCHELL

DIVISIONAL AND SECTIONAL ABSTRACTS AND TITLES

630 Argentine Division

642 Australia-New Zealand Division

658 New Zealand Section

659 Continental European Division

680 South African Division

692 Titles of Papers Presented at Meeting of Sections of the American Association for Dental Research

ANNOTATIONS

693 Electrodes for Measuring Electrical Resistance of Teeth—W. C. OUTHWAITE

694 Peak Electromyographic Activity and Jaw-Closing Force in Man—A. G. HANNAM, W. C. INKSTER, and J. D. SCOTT

695 Tooth and Body Size Correlations in *Macaca nemestrina*—D. R. SWINDLER and J. E. SIRIANNI

696 Fluoroxalatostannate Complexes: New Compounds for Topical Fluoride Therapy with Enamel Conditioning Properties—S. KATZ

697 Correlates of Permanent Tooth Development in Prenatal Time—A. R. BURDI, S. M. GARN, and J. SUPERSTINE

698 An Estimate of the Age of Stabilization of the Clinical Crowns of the Permanent Incisors—R. J. PRUHS, M. AL-SAMMAN, and W. M. JOHNSTON

699 Distribution of the Mandibular Incisor-Mandibular Plane Angle in Nubian Schoolchildren—J. E. HARRIS, C. J. KOWALSKI, and S. J. WALKER

700 Anterior Tooth Attrition in Apes—C. L. B. LAVELLE

JUNE 1975 • SPECIAL ISSUE B

B4 Greetings and Opening Remarks—J. K. AVERY

B5 Committees and Participants

ORAL FLUIDS

B8 Current Research on Oral Fluids—I. L. SHANNON and R. P. SUDDICK

B19 The Mucus Barrier and Absorption Through the Oral Mucosa—D. ADAMS

B27 Effect of Adrenergic Agents on Salivary Composition—I. D. MANDEL, A. ZENGO, R. KATZ, and S. WOTMAN

B34 Local Effect of Therapeutic Agents on Plaque Composition—A. TATEVOSSIAN, G. N. JENKINS, and W. M. EDGAR

B40 Discussion

SOFT TISSUES

B44 Some Aspects of Drug Dynamics as Related to Oral Soft Tissues—P. E. GJERMO

B57 On the Mechanism of the Plaque Inhibition by Chlorhexidine—G. RÖLLA and B. MELSEN

B63 Potentiation of Vascular Responses to Catecholamines by POR-8—J. G. WATERSON

B68 Relationship of Drug Metabolism and Inflammation on the Gingival Response of Rats Treated with Diphenylhydantoin—G. R. CONARD, J. C. OSBORN, A. D. PEKARY, and R. H. SCHOLLE

B75 Discussion

BONE

B78 Pharmacology and Therapeutics of Bone—W. C. STURTRIDGE

B87 Thiophene Compounds that Reduce Calculus Accumulation and Inhibit Bone Resorption—H. WELLS

B88 Synthetic Analogue of Bone Mineral Formation—A. POSNER, N. C. BLUMENTHAL, A. L. BOSKEY, and F. BETTS

B94 Structural Requirements for Bone Resorption by Endotoxin and Lipoteichoic Acid—E. HAUSMANN, O. LÜDERITZ, K. KNOX, and N. WEINFELD

B100 Discussion

ENAMEL

B106 Reflections on the Reactivity of Dental Enamel—R. F. SOGNNAES

B114 Enamel: Morphological Considerations—G. GUSTAFSON and B. SUNDSTRÖM

B121 Factors Affecting Mineral Accretions in the Enamel-Solution Interface—M. GONZALEZ, F. FEAGIN, and E. BRADLEY

B125 Strontium Uptake by the Developing Femur Bone and Deciduous Dentition—I. GEDALIA

B131 Spectral Characteristics of Tetracycline-Induced Luminescence in Rat Teeth and Bones—K. C. HOERMAN

B137 Fluorine and Titanium and the Organic Material of Dental Enamel—B. G. BIBBY and M. F. LITTLE

B143 Discussion

BIOMATERIALS

B146 Biomaterials in Dentistry—D. C. SMITH

B153 State of the Art in Dental Implants—S. F. HULBERT and J. T. BENNETT

B158 Methodology and Criteria in Evaluation of Dental Endosseous Implants—K. LANGELAND and L. SPÅNGBERG

B165 Investigations on the Response of Primate and Rabbit Marrow, Bone, and Soft Tissue to Porous Titanium Implants—J. E. LEMONS

B170 Discussion

DENTIN-PULP

B176 Reactions of Dentin and Pulp to Drugs and Restorative Materials—R. M. FRANK

B188 Response of the Pulp and Dentin to Contact with Filling Materials—J. K. AVERY

B198 Effect of Prolonged Use of Analgesics on Pulpal Response: A Preliminary Investigation—T. E. BOLDEN, D. H. LEMEH, W. SEIBERT, and E. B. STEWART

B201 Effects of Trigeminal Tractotomy and of Carbamazepine on Single Trigeminal Sensory Neurons in Cats—B. J. SESSLE and L. F. GREENWOOD

B207 Discussion

JULY–AUGUST 1975 • NO. 4

704 International Association for Dental Research

707 Editorial Views and News

MANUSCRIPTS

708 Interruption of the Arterial Inferior Alveolar Flow and Its Effects on Mandibular Collateral Circulation and Dental Tissues—W. A. CASTELLI, C. E. NASJLETI, and R. DÍAZ-PÉREZ

716 Variations in Microbial and Biochemical Components of Four-Day Plaque During a Four-Week Controlled Diet Period—D. ADELE DENNIS, THOMAS H. GAWRONSKI, SARA Z. SUDO, ROBERT S. HARRIS, and LARS E. A. FOLKE

723 An Epidemiologic Study of Deciduous Molar Relations in Preschool Children—PETER F. INFANTE

728 Thermodynamic Solubility Product of Human Tooth Enamel: Powdered Sample—P. R. PATEL and W. E. BROWN

737 Occurrence of Haemophili in Dental Plaque and Their Association with Neuraminidase Activity—J. E. TUYAU and W. SIMS

740 Effect of Radiation-Induced Xerostomia on Human Oral Microflora—LEE R. BROWN, SAMUEL DREIZEN, SANDRA HANDLER, and DENNIS A. JOHNSTON

751 Effect of Humidity and Temperature Changes on Orthodontic Direct-Bonding Adhesive Systems—SAMIR E. BISHARA, MOHAMED A. KHOWASSAH, and LARRY J. OESTERLE

759 Impedance of Amalgam-Dentin Interface in Cat Tooth—L. T. PHI and K. H. REID

764 SNA and SNB Angles in a Population of Nubian Schoolchildren—SUSAN J. WALKER, JAMES E. HARRIS, and CHARLES J. KOWALSKI

767 Variations of Palatal Dimensions in Patients with Down's Syndrome—GARY H. WESTERMAN, RONALD JOHNSON, and M. MICHAEL COHEN

772 Polymerizable Amines as Promoters of Cold-Curing Resins and Composites—J. DNEBOSKÝ, V. HYNKOVÁ, and F. HRABÁK

777 Localization of Bacteria on the Rat Tongue with Scanning and Transmission Electron Microscopy—JOHN M. BRADY, WALTER A. GRAY, and WILFREDO LARA-GARCIA

783 Effect of α, α'-Dipyridyl on the Basement Membrane of Tooth Germs in Vitro—SEBASTIAO HETEM, EDWARD J. KOLLAR, LESLIE S. CUTLER, and JAMES A. YAEGER

788 Proprioceptive Innervation of the Masticatory Muscles in Pinché—KINZIRO KUBOTA and TOSHIAKI MASEGI

797 Use of Filmed Modeling To Reduce Uncooperative Behavior of Children During Dental Treatment—BARBARA G. MELAMED, ROLAND K. HAWES, ELAINE HEIBY, and JOHN GLICK

802 Frequency of Dental Trait Anomalies in Cleft, Sibling, and Noncleft Groups—DAWN C. SCHROEDER and LARRY J. GREEN

808 Some Properties of Uridine 5′-Diphosphogalactose: *N*-Acetylglucosamine Galactosyltransferase in Human Parotid Saliva—RYO NAKAMURA, TATSUO WATANABE, and AKIRA TSUNEMITSU

814 Analysis of Stress Patterns in the Human Mandible—JAMES P. RALPH and ANGELO A. CAPUTO

822 Dose-Dependent Ultrastructural Changes Induced by Tetracycline in Developing Dental Tissues of the Rat—B. J. KRUGER

829 Failure of Rabbit Anti-*Streptococcus mutans* Serum to Penetrate In Vitro Plaque—JOYCE W. JENZANO, MYRON S. SILVERMAN, and JAMES J. CRAWFORD

836 Dentist's Ratings and Adolescents' Perceptions of Oral Health—ANN F. BRUNSWICK and MATA NIKIAS

844 Electromyographic Investigations of the Tongue and Circumoral Muscular Sling with Fine-Wire Electrodes—MATHIAS VITTI, JOHN V. BASMAJIAN, P. L. OUELLETTE, D. L. MITCHELL, W. P. EASTMAN, and R. D. SEABORN

850 Electrophoretic Patterns of Parotid Fluid Proteins from Caries-Resistant and Caries-Susceptible Individuals—A. Y. BALEKJIAN, T. S. MEYER, M. E. MONTAGUE, and R. W. LONGTON

857 Investigation of Possible Solvents for Extracellular Polysaccharides from *Streptococcus mutans* and *Streptococcus sanguis*—B. L. LAMBERTS, T. S. MEYER, and L. G. SIMONSON

867 Reproducibility of the Electromyogram—JERRY J. GARNICK

872 Effects of Dietary Sucrose Levels on the Quantity and Microbial Composition of Human Dental Plaque—ROBERT H. STAAT, THOMAS H. GAWRONSKI, DAWN E. CRESSEY, ROBERT S. HARRIS, and LARS E. A. FOLKE

881 Effects of Dietary Sucrose Levels on Extracellular Polysaccharide Metabolism of Human Dental Plaque—THOMAS H. GAWRONSKI, ROBERT A. STAAT, HUSSEIN A. ZAKI, ROBERT S. HARRIS, and LARS E. A. FOLKE

891 Role of Attrition and Occlusal Contact in the Physiology of the Rat Incisor: IX. Impeded and Unimpeded Eruption in Lathyritic Rats—Y. MICHAELI, S. PITARU, G. ZAJICEK, and M. M. WEINREB

897 Residual Fluoride Concentrations and Scanning Electron Microscopic Examination of Root Surfaces of Human Teeth After Topical Application of Fluoride In Vivo—J. EHRLICH, N. HOCHMAN, I. GEDALIA, and M. TAL

ANNOTATIONS

901 Direct Effect of Radiation on the Solubility of Human Teeth in Vitro—R. WALKER

902 Apparent Modulus of Elasticity of Dental Amalgams—J. M. POWERS and J. W. FARAH

903 Characterization of Esterase from Mouse Submandibular Gland—G. S. SCHUSTER, D. H. PASHLEY, and M. P. PALMER

904 Detection of Oxygen in Corrosion Products of Dental Amalgam—G. W. MARSHALL, N. K. SARKAR, and E. H. GREENER

905 Microhardness of Human Apical Cementum Related to Fluoride Exposure and Age—R. J. STEPNICK and L. GETTLEMAN

906 Levan Formation by Whole Cells of *Actinomyces viscous* ATCC 15987—C. H. MILLER, T. N. WARNER, C. J. PALENIK, and P. J. B. SOMERS

907 In Vitro Study of the Effect of GK-101 on the Removal of Carious Material—S. G. SCHUTZBANK, M. MARCHWINSKI, J. H. KRONMAN, M. GOLDMAN, and R. E. CLARK

908 Standardized System for Recording Dental Caries in Prehistoric Skeletons—J. F. METRESS and T. CONWAY

909 Automated Centrifuge for Pour Resins—S. WINKLER, R. PUENGPHOB, and D. H. TSAO

910 Variations in Tooth Dimension and Geographic Caries Prevalence—S. P. STERN and M. E. J. CURZON

911 Near-Constant Methacholine-Induced Parotid Flow in the Dog—F. J. DOWD, JR. and I. L. SHANNON

912 Radioautographic Study Demonstrating ^{3}H-fucose Uptake into Cultured Rabbit Palates at the Time of Palate Fusion—D. P. DE PAOLA, J. F. DRUMMOND, and S. A. MILLER

913 Age Distribution of Enamel Hypoplasia in Prehistoric California Indians—P. D. SCHULZ and H. M. MCHENRY

914 Method to Investigate Bioelectric Regeneration of Bone in Periodontal Defects—R. A. KOPCZYK, L. A. NORTON, and M. W. KOHN

915 Dental Caries in Preschool Apache Indian Children—P. F. INFANTE, G. M. OWEN, and A. L. RUSSELL

916 Adhesive and Sealing Properties of Gallium Alloy—C. SAITO and T. FUSAYAMA

SEPTEMBER–OCTOBER 1975 • NO. 5

917 In Memoriam

MANUSCRIPTS

921 Composition and Mechanical Properties of Gutta-Percha Endodontic Points—C. M. FRIEDMAN, J. L. SANDRIK, M. A. HEUER, and G. W. RAPP

926 Effects of Short-Term and Long-Term Administration of Procaine Hydrochloride and Mepivacaine Hydrochloride on Hexobarbital-Induced Sleeping Times in Mice—D. J. RINCHUSE and J. W. SMUDSKI

931 Method for the Clinical Evaluatin of Enamel Polish—O. P. STURZENBERGER, B. B. BEISWANGER, and J. D. KING

938 Biochemical and Morphological Studies of Rat Submandibular Gland: I. Centrifugal Fractionation of Granule-Rich Fraction—C. T. HANKS and S. G. CHAKRABARTI

948 Biochemical and Morphological Studies of Rat Submandibular Gland: II. Partial Purification of Proteins from Granule-Rich Fraction—S. G. CHAKRABARTI, C. T. HANKS, and S. P. JOHNSON

960 Histology of Fissures in Human Unerupted Teeth—K. A. GALIL and A. J. GWINNETT

965 Analysis of Blood Cortisol Levels in Oral Surgery Patients Given Various Levels of Intravenous Medication—F. L. BUNCH, G. D. ALLEN, and N. B. JORGENSEN

968 Quantitative Studies of In Vitro Inhibition of *Streptococcus mutans* Plaque Formation by Organic Amines—G. E. Bass, E. O. Dillingham, and L. J. Powers

972 Structure-Activity Studies on Inhibition of *Streptococcus mutans* by Long-Chain Aliphatic Diamines—G. E. Bass, E. O. Dillingham, and L. J. Powers

978 New Method for Comparing the Activity of Local Anesthestics Used in Dentistry—S. Simard-Savoie

982 Natural Desensitization of Exposed Tooth Roots in Dogs—U. L. Karlsson and D. A. Penney

987 Effect of Dietary Supplementation of Glycine on Caries Development and Lipids in Rat Molars—S. K. Das and R. S. Harris

993 Effect of Toothbrush Variables on Wear of Dentin Produced by Four Abrasives—D. B. Harte and R. S. Manly

999 Adhesive Penetration in Human Artificial and Natural White Spots—J. M. Davila, M. G. Buonocore, C. B. Greeley, and D. V. Provenza

1009 Effect of Metabolic Inhibitors on Bone Lipid Synthesis from Radioactive Bases—T. R. Dirksen, G. S. Schuster, R. McKinney, and S. E. Bustos

1015 Effects of Single Exposure to Sugar on Calcium and Phosphorus Concentrations of Dental Plaque—F. P. Ashley

1019 Electron Microscopic Structure of the Two Layers of Carious Dentin—K. Ohgushi and T. Fusayama

1027 Localization of Amylase in Major Salivary Glands of the Guinea Pig—R. J. Smith and J. Frommer

1031 In Vivo and In Vitro Corrosion Products of Dental Amalgam—N. K. Sarkar, G. W. Marshall, J. B. Moser, and E. H. Greener

1039 Polyurethane Elastomer As a Possible Resilient Material for Denture Protheses: A Microbiological Evaluation—R. Y. W. Tang, J. B. Gonzalez and G. D. Roberts

1046 Truncated Poisson Distribution with Optimization Techniques in the Epidemiology of Caries—C. Singh and C. W. Snyder

1049 Glycoprotein Biosynthesis at the Time of Palate Fusion by Rabbit Palate and Maxilla Cultured In Vitro—D. P. DePaola, J. F. Drummond, C. Lorente, R. Zarbo, and S. A. Miller

1056 Behaviorally Based Measures for Evaluating the Nonclinical Performance of Dentists in Team Settings—M. J. Wallace, Jr., P. K. Berger, L. Domer, and T. M. Cooper

1064 Bacterial Conditions of Water in Dental Units—S. D. Thé and M. A. Van't Hof

1069 Cleft Palate Induction: Quantitative Studies of ^{3}H Corticoids in A/Jax Mouse Tissues after Maternal Injections of ^{3}H Cortisol—K. M. Spain, W. Kisieleski, and N. K. Wood

1078 Reduction in Dentin Wear Resistance by Irradiation and Effects of Storage in Aqueous Media—W. B. Davis

1082 Inhibitory Effect of Apernyl on Production of Brandykininlike Substance in Pulp—T. Kudo, M. Kawagoe, T. Hayashi, J. Takezawa, and R. Inoki

ANNOTATIONS

1087 Nature of Pigment in Teeth of Pygmy Shrew, *Sorex minutus*—D. A. Lunt and H. W. Noble

1088 Oxytalan-Type Fibers in the Developing Human and Equine Temporomandibular Joint—D. A. Luke

1089 Topical Fluoirdation of Teeth Before Sealant Application—L. C. Chow and W. E. Brown

1090 Simple Vacuum Cassette for Microradiography—R. S. Levine

1091 Molar Size Sequence in the Peruvain Indian—P. W. Goaz

1092 Self-Reported Systemic Conditions in an Adult Study Population—J. D. Suomi, H. S. Horowitz, and J. P. Barbano

1093 Flotation Technique for Histological Preparation of Tissue Contents of Human Erupted Teeth—K. A. Galil

1094 Relationship Between Volume and Streptococcal Population in Dental Plaque—G. Charlton, R. G. Schamschula, and B. Blainey

1095 Ability of Salt and Acetic Acid to Extract Human and Animal Gingival Collagen—M. Schneir, I. Vogan, H. Yu, J. Yavelow, A. Liu-Montcalm, and D. Furuto

1096 Nitrate Radicals in Apatites—R. A. Peckauskas and I. Pullman

1097 Incidence of Trifurcated Mandibular First Permanent Molars in the Population of Guam—R. L. Hochstetter

1098 Consistency vs Validity—Or Are Both Possible in Clinical Studies of Anticariogenic Agents?—A. Kamen and S. B. Schreer

1099 Effect of Varying Amounts of Gold in Ag_3Sn-Amalgam—M. L. Malhotra

1100 Differential Pattern of Developmental Changes of Na^+ – Stimulated and Nonstimulated Alkaline Phosphatase Activities in a Microsomal Fraction of Rat Submandibular Gland—Y. Son, T. Miyagawa, Y. Miyasato, and H. Takiguchi

OCTOBER 1975 • SPECIAL ISSUE C

PROCEEDINGS OF THE FIFTY-THIRD GENERAL SESSION OF THE IADR

C6 President-Elect's Message: Through the Looking Glass—D. B. Scott

C9 Opening Meeting

C12 Council Meeting

C14 Committee Reports

C22 General Meeting

C24 Addenda

PROCEEDINGS OF THE ANNUAL SESSION OF THE AADR

C35 Opening Address: Science Versus Technology—H. M. Myers

C37 Keynote Address: The Uses of Basic Science—D. Stetten, Jr.

C43 Council Meeting

C48 Committee Reports

C57 General Assemblies

C67 Addenda

EDWARD H. HATTON AWARDS COMPETITION

C72 Demonstration of an Alloimmune Response to Embryonic Enamel Matrix Proteins—S. E. Schonfeld

C78 Co-Destructive Factors of Marginal Periodontitis and Repetitive Mechanical Injury—S. Meitner

C86 Radioactive Labeling of Proteins with an Iodinated Amidination Reagent—F. T. Wood

C93 Glutaminase Activity of Inflamed Human Free Gingiva—N. Blumenthal

DIVISIONAL AND SECTIONAL ABSTRACTS AND TITLES

C96 Israeli Division

C100 Japanese Division

C110 Titles of Papers Presented at Meetings of Sections of the AADR

C112 Awards Offered by the IADR

NOVEMBER–DECEMBER 1975 • NO. 6

1103 Editorial Views and News

1104 International Association for Dental Research

MANUSCRIPTS

1107 Effect of Trace Elements on Dissolution of Hydroxyapatite by Cariogenic Streptococci—R. J. Herbison and S. L. Handelman

1115 Biosynthesis of Collagen in Isolated Periodontal Ligament—L. E. Rossman, J. Rosenbloom, and P. Robinson

1120 An Evaluation of Bruxism Control: Massed Negative Practice and Automated Relaxation Training—R. F. Heller and A. G. Forgione

1124 Polynomial and Catenary Curve Fits to Human Dental Arches—S. H. Pepe

1133 Initiation of Cracks in Dental Amalgam—O. Younis, K. Asgar, and J. M. Powers

1138 Continuous In Vitro Measurement of Mouse Salivary Gland Enzymes—G. S. Schuster, D. H. Pashley, M. P. Palmer, and M. M. Sharawy

1143 Localization of the Rate-Limiting Barrier to Penetration of Endotoxin Through Nonkeratinized Oral Mucosa In Vitro—M. C. Alfano, J. F. Drummond, and S. A. Miller

1149 Short-Term Stress-Relaxation Behavior of Nonmetallic Restoratives—R. S. Hertert, E. F. Huget, L. B. De Simon, and J. H. Cosgrove, III

1154 Effect of Prior Acid Etch on Rate of $Sn_3F_3PO_4$ Formation Subsequent to Topical Application of SnF_2—W. D. Nordquist, D. J. Krutchkoff, and S. H. Y. Wei

1161 Lip and Tongue Pressures Related to Dental Arch and Oral Cavity Size in Australian Aborigines—W. R. Proffit, R. E. McGlone, and M. J. Barrett

1173 Gelation of Polyacrylic Acid Aqueous Solutions and the Measurement of Viscosity—S. Crisp, B. G. Lewis, and A. D. Wilson

1176 Production of a Nonwettable Enamel Surface—J. S. Reid, and D. G. MacDonald

1180 Lingual Ascorbic Acid Test: Poor Correlation with Blood and Tissue Levels of Ascorbic Acid in Guinea Pigs—L. Inouye, S. A. Miller, and M. C. Alfano

1183 In Vitro Wear Response of Composite Resin, Amalgam, and Enamel—J. M. Powell, R. W. Phillips, and R. D. Norman

1196 Feulgen Microspectrophotometry of Oral Cancer and Leukoplakia—J. L. Doyle and J. H. Manhold, Jr.

1200 Effects of Anti-Inflammatory Steroids on Mouse Embryonic Movements During Palatal Development—B. E. Walker and J. Quarles

1207 Compressive Viscoelastic Properties of Human Dentin: I. Stress-Relaxation Behavior—M. G. Duncanson, Jr., and E. Korostoff

1213 Fluoride in Dog Parotid Saliva After Intravenous Administration of Sodium Fluoride, Sodium Monofluorophosphate, and Calcium Fluoride—R. P. Feller, and I. L. Shannon

1216 Dynamic Mechanical Properties of Maxillofacial Materials—A. Koran and R. G. Craig

1222 SEM Investigation of the Variability of Enamel Surfaces After Simulated Acid Etching for Pit and Fissure Sealants—G. W. Marshall, L. M. Olson, and C. V. Lee

ANNOTATIONS

1232 Effects of Solvents on Cutaneous Penetration of Acridine Orange—J. A. Regezi

1233 Fractographic Index to the Matrix Strength of Two-Phase Acrylic Polymers—R. P. Kusy and D. T. Turner

1234 Relative Effects of Ammonium Fluoride and Acidulated Phosphate Fluoride Solutions on Human Enamel—S. H. Y. Wei, D. M. Soboroff, J. S. Wefel, and S. Wolfson

1235 Distribution of Mercury in the Rat A After Long-Term Exposure to Vapors—P. Guccione, C. W. Frank, C. W. Svare, U. Karlsson, and K. C. Chan

1236 Effects on Tongue Brushing on Tongue Coating and Dental Plaque Scores—A. Gross, G. P. Barnes, and T. C. Lyon

1237 Vascular Changes in the Monkey Mandible and Maxilla After Multiple Extraction of Teeth: A Radiographic Study—W. A. CASTELLI and C. E. NASJLETI

1238 Conductometric Titration of Aqueous Solutions of Polyacrylic Acid and Its Copolymers—S. CRIPS, B. G. LEWIS, and A. D. WILSON

1239 Effect of Xylitol on the Growth of Three Oral Strains of *Candida albicans*—K. K. MAKINEN, A. OJANOTKO, and H. VIDGREN

1240 Effect of Prenatal, Preeruptive, and Posteruptive Strontium Administration on Dental Caries in Hamster Molars—I. GEDALIA, J. ANAISE, and E. LAUFER

1241 Stability of Upper Face Height-Total Face Height Ratio with Increasing Age—C. E. NASJLETI and C. J. KOWALSKI

1242 Maxillary Premolar Reduction in the Golden Monkey *(Rhinopithecus roxellanae)* —W. L. HYLANDER and R. F. KAY

1243 Photoelastic Model for Occlusal Force Analysis—N. R. MEHTA, F. W. ROEBER, A. W. HADDAD, and I. GLICKMAN

1244 Comparison Between Sucrose and Lactulose in a Suspended Salivary System—K. K. MÄKINEN and M. REKOLA

1245 Canadian Inuit Caries Experience 1969–1973—J. T. MAYHALL

1247 Annual Index

INDEX TO VOLUME 54

Name Index

* Abstract.
** Abstract number, printed in *Program and Abstracts of Papers (Journal of Dental Research*, Special Issue A, February, 1975).
† Annotation.
T Read by title.

A

Aasenden, R. 540**
Abe, K. L198**
Abelson, D.C. 389**, 391**
Abousy, A. 240**, 251**
Abramovich, A. 631*, 632*, 634*, 636*
Abrams, B. 681*, L72**, L74**
Ackema, G.H. L285**
Adams, D. B19, L13**
Adams, O.L. L138**
Adams, R.R. 281**
Adatia, A.K. C111*
Addy, M. L466**
Adey, J.D. 218, L164**
Adiar, P.J. 460**
Adipranoto, S. L354**
Adkins, K.F. 657*
Adler, G.J. 424**, 562**
Aduss, H. L175**
Ahlstedt, S. L275**
Ahmed, F.I. L109**
Ainamo, J. L363**, L463**
Akiyama, R. C106*
Alam, B.S. 397**
Alam, S.Q. 59**, 397**
Aldrete, J.A. 402**
Aleo, J.J. 299**
Alexander, D.L. 114**
Alfano, M.C. 194†, 1143, 1180, L428**
Allen, A.L. 203**
Allen, E. 255**
Allen, G.D. 965
Allen, P. L421**
Allmann, D.W. 189†, 284**, L32**
Alman, J.E. 41**
Almquist, A.J. 402
Altini, M. 684*
Altman, L. 100**
Altman, L.C. 315**
Altschuler, B. 172**
Altug, S.S. 177**
Amano, N. C103*
Amemiya, A. C107*
Amler, M.H. 78**
Amdur, B.H. 206**, 236**, 625**
Amsbaugh, S.M. 294**
Anaise, J. 304, 426†, 496, 1240†
Anand, S.C. 281**
Andersen, E. L426**
Andersen, L. L506**
Anderson, D.J. L566**
Anderson, D.L. 33**
Anderson, D.M. 333**, 515**, L409**
Anderson, W. L89**
Andrade, H.H. 640*
Andrade, J.H. 640*, 641*
Andreasen, J.O. L280**
Andres, C. 584**
Andrews, J.T. 20**
Angel, L. 214**
Anglin, R.E. C110T
Ansell, G.S. 49
Antonucci, J.M. 310, 599, L441**
Anusavice, K.J. 457**
Aono, M. C101*
Apfel, D.A. 359**
Apostolidis, A. 184**
App, G. 535**
Appleberry, E.A. 176**
Araujo, N.S. de 508
Araya, S. C102*
Arends, J. 664*, 664*, 671*, L226**, L353**, L546**
Arfaei, A.H. 456**, 465**, 552**
Argentar, H. 588
Armitage, G.C. 103**
Armstrong, W.G. L436**
Asai, S. C101*
Asgar, K. 1133, 456**, 465**, 552**, L322**
Ash, M.M., Jr. 12**, 176**, 177**, L243**
Ashley, F.P. 1015, L84**, L85**
Asmussen, E. L443**
Atkinson, H.F. 653*
Atkinson, P.J. L192**
ElAttar, T.M. 599**, L425**
Attström, R. L20**
Austin, J.C. 681*, 681*, 685*, 688*
Austman, G. 650*
Auvenshine, R.C. 494**
Auyang, S.M. 29**
Averill, K. L484**
Avery, J.K. B188, 144**, 192**, 218**, 256**, 277**, 322**, L236**
Avram, M. C98*
Axelsson, P. L475**
Aye, T.G. 428**
Ayer, W.A. 482**, 486**
Azerad, J. 661*, 668*
Azuma, Y. 425†
Azzaz, B. C99*

B

Babiarz, B. 146**
Baden, E. 662*
Baer, L. 52**
Baer, P. B87
Bagramian, R.A. 161**, 183**, 604**
Bahary, W.S. 290
Bahn, A.N. 525**, L405**
Bahn, S.L. L405**
Bailey, J.O., Jr. 12**
Bailit, H.L. 32**, 47**
Bajada, S.B. 643*
Bakdash, M.B. 692T
Baker, C.W. 364**
Baker, J.J. 107**, 315**, 530**
Baker, R. 255**
Bakhos, J. L311**
Bakhos, Y.G. 446**, L537**
Baldwin, R. 331**
Balekjian, A.Y. 850, L101**
Ball, W.D. 497**
Bang, S. 673*, L111**
Banting, D.B. 190**
Baran, G.R. 547**
Baratieri, A. 678*
Baratz, R.S. L232**
Barbakow, F.H. 631*
Barbano, J.P. 1092†, L454**
Barbanell, R.L. 204**, 379**
Barcelo, A.C. 637*
Barenie, J. 293**, 543**
Barker, D. 643*
Barnard, D.P. 681*
Barnes, D.W. 554**
Barnes, G.P. 1236†, 163**, 582**
Barnett, M.L. 196**
Baron, P. 668*
Baron, R. 675*, 676*, 677*, 677*, 677*, L6**, L317**, L318**, L319**
Barone, J. 131**
Barrett, G.V. 385**
Barrett, M.J. 1161
Barrickman, R.W. 72**
Barros, R.E. 631*, 639*, 640*, 641*
Barrowman, R. 682*
Barry, S.C. 537**
Barton, J.A., Jr. 310
Bartram, R.H. 127**
Bashirelahi, N. L509**
Basmajian, J.V. 844
Bass, G.E. 968, 972
Bassiouny, M.A. L460**
Bastiaan, R.J. 644*
Batchelor, R.F. L451**
Bates, D. L82**
Battistone, G.C. 503**, 505**
Baud, C.A. 673*, 676*, L111**, L438**
Bauer, G.E. 246**
Baume, L.J. 668*
Baumhammers, A. 561
Baumrind, S. 9**
Bawden, J.W. L358**
Bay, L. L456**, L457**
Baylink, D.J. 596**
Bayne, S. 357**
Beardsley, S.H. 224**
Beck, D.B. 175**
Beckerman, T. 616**
Beech, D.R. L354**, L356**
Beeley, J.A. L89**, L90**, L211**
Beertsen, W. 666*
Beeson, D.C. 251
Beighton, D. 653*
Beiswanger, B.B. 53, 931
Bekhor, I. L54**
Belavich, J.E. L413**
Belcourt, A. 674*, L95**
Bell, B. 51**
Bell, M.A. L104**
Bell, W.H. 431**
Benac, M. 189†, 284**, L32**
Bengston, D. 45**, 488**
Bennett, C.R. L413**
Bennett, J.T. B153
Bennick, A. L91**
Benoit, R. 667*
Bensadoun, R. L185**
Benson, P. L44**
Benya, P. L434**

Beresford, W.A. 417**
Bergenholtz, A. L482**
Berger, K. 303**
Berger, P.K. 1056
Bergquist, J. 84**, 92**, 93**
Berkovitz, B.K. L188**, L368**
Berkowitz, R.J. 332**
Bernard, C. 478**
Barnard, G. 595**
Bernard, J. 664*
Berndt, A.F. 454**
Berner, A. L317**
Bernick, S. 193**, 200**, 409**
Bernstein, R.S. 236**
Berry, C.W. 229**
Berthold, P. L87**
Bertrand, F.R. L195**
Bester, D. 682*, 686*
Betteridge, M.A. L366**
Bettex, M. L42**
Betts, F. B88
Bevis, R.R. L488**
Beynon, A.D. L62**
Bhargava, K. 226**
Bhat, M. 161**, 183**, 604**
Bhatia, S.N. L181**
Bhatnagar, P.K. 502B**
Bhatnagar, R.S. L496**
Bibby, B.G. 461, B137, 435**, 543**
Bick, K.L. 195**
Biederman, P.D. 26**
Binkley, L. L276**
Binnie, W.H. L156**, L411**, L424**
Birkedal-Hansen, H. 85**, 86**, 88**
Birman, E.G. 508
Bischoff, J.I. 682*
Biserte, G. 674*
Bishara, S.E. 146, 751
Bissada, N.F. 602**
Biswas, S.D. 609**
Bitterman, P. L405**
Bivin, W.S. 244
Blackwood, H.J. L190**
Bladen, H.A. 341**
Blainey, B.L. 652*, 655*, 1094†
Bleich, D. 38**
Block, M. 259**, 597**
Bloom, A. 302**
Bluitt, J. L553**
Blum, G.N. 500
Blumenstock, N. 483**
Blumenthal, N. C93, L127**
Blumenthal, N.C. B88
Boackle, R.J. C110T, C110T, 526**, 528**
Bodak-Gyovai, L.Z. 399**, 420**
Bodden, R. 534**
Boersma, A. 674*
Bognore, R. 160**, 606**, L146**
Bohannan, H.M. L454**
Bohl, C.F. 178**
Bolden, T.E. B198
Bolderson, I. L305**
Bolton, S. 491**
Bonner, J.J. L126**
Bonnesvoll, P. L473**, L527**
Bookstein, F. L311**
Borggreven, J.M. 665*, L223**, L224**
Borghelli, R.F. 640*, 640*, 641*
Borglum Jensen, L. L471**
Borglum Jensen, S. L471**
Boskey, A.L. B88, L316**
Bosman, W. L278**
Boss, J.H. 609, L264**
Botchway, C.A. L199**
Botero, A. 302**
Boulware, M.A. 20
Bouyssou, M. 662*
Bowden, G.H. L210**, L218**, L408**, L479**, L530**
Bowen, R.L. 588, 599, L441**
Bowen, W.H. 449, L525**
Bowers, G.M. L512**
Bowles, R.D. L257**
Bozalis, W.G. 342**
Brabant, H. 662*
Bradbury, D.R. 335**
Braden, M. 7, L326**, L445**, L541**
Bradley, E. B121
Brady, J.M. 777, 344**, 618**, L469**
Bramstedt, F. L68**
Brandtzaeg, P. L202**, L396**
Bratthall, D. L529**
Bratthall, G. 209**
Brauer, G.M. 310
Brayer, L. C96*
Brenman, H.S. 83
Brennan, S. 644*
Bresnahan, M. B87, 65**
Breytenbach, M. 682*
Bridges, R.B. 633**
Brightman, V.J. 399**, 420**, L564**
Brill, N. L519**, L520**, L521**, L522**, L523**
Briner, W.W. 433**, L474**
Bringas, P. L59**
Brinkley, L. 144**
Brion, M. 660*
Briscoe, J.M., Jr. 504
Brisson, D.L. 570**
Brody, H.A. 378**
Broekhuijsen, M.L. L515**
Brook, A.H. L556**
Brooks, K. L48**
Brose, J. 21**, L355**
Brown, A.M. 104**
Brown, A.T. L66**
Brown, D. L148**
Brown, D.B. 280
Brown, G.S. 177**
Brown, H. 643*
Brown, J.P. 652*
Brown, K.S. 155**
Brown, L.R. 740, 392**, L270**
Brown, P.L. 413**
Brown, R.H. 658*
Brown, W.E. 65, 475, 728, 1089†, 120**, 128**, L108**
Brown, W.S. 185**, 186**
Browne, R.M. L435**
Brudevold, F. 271**, 446**, 541**, L537**
Brunette, D.M. 306**
Brunka, J.R. 396**
Brunswick, A.F. 836
Bryant, A.W. 633**
Bryant, R.W. 648*
Buchner, A. C96*
Budtz-Jørgensen, E. L327**
Bulkacz, J. 112**, 632**, L12**, L74**
Bull, J.M. L343**
Bulman, J.S. L289**
Bunch, F.L. 965
Bunnell, H.L. 585**
Buonocore, M.G. 999
Burdi, A.R. 420†, 697†, 366**
Burgett, F.G. L18**
Burkes, E.J. C110T, C110T, 199**
Burkitt, A.J. L106**
Burns, R.A. 70**
Burstein, L.S. 130**
Burstone, C.J. 5**, 358**
Bustos, S.E. 1009, 261**, 412**, L315**
Butler, W.T. 88**
Butz, S.J. 687*

C

Cabaleiro, E.B. 631*
Cabrini, R.L. 631*, 632*, 633*, 634*, 638*, 640*,
Caffesse, R.G. L277**
Cagle, J.D. 424**, 562**
Cahen, P.M. 670*, 670*
Caldwell, J. L397**
Calisti, L.J. 191**
Calkin, G.H. 170**
Campabadal, M.B. 636*
Campagna, P. 621**
Campbell, D.J. 349B**
Cannell, H. L268**
Canzona, J.E. 429**
Caples, S. 375**
Capuccino, C.C. 394**
Caputo, A.A. 227, 428†, 814, 1**, 2**, 4**, 24**, 168**, 169**, 187**, L194**, L518**
Caputo, A.E. 634*
Carlsson, J. L296**, L412**
Carmichael, D. 308**
Carney, J.S. L13**
Carpenter, A.M. L488**
Carr, B.A. 205**
Carson, K.A. C110T, 373**
Carsten, A.L. L25**
Carter, H.G. 163**, 582**
Casey, G. 531**
Caslavska, V. 541**
Castaldi, C.R. 156**
Castelli, W.A. 708, 1237†
Catalanotto, F.A. 36**
Catanzaro, O.L. 637*
Catchpole, H.R. 252**
Causton, B.E. 339
Cavalaris, C.J. 70**
Cavanaugh, G. L559**, L560**
Cawson, R.A. L424**
Centofanti, M.H. 640*, 640*, 641*
Ceravolo, F.J. 561
Chaconas, S.J. 1**, 2**, 4**, 8**, 556**
Chadwick, D.G. 557
Chakrabarti, S.G. 938, 948, 499**
Challacombe, S.J. L395**, L397**, L398**
Chamberlain, J.G. 413†
Chambers, D.A. 103**
Chan, K.C. 1235†, L467**
Chan, M.S. 133**
Chan, S.P. 107**, 530**
Chancellor, M.B. L257**
Chandler, D. 216**, 591**, 594**
Chapple, C.C. 647*
Charbeneau, G.T. 182**, 336**
Charles, D.W. 655*
Charlton, G. 652*, 655*, 1094*
Charmichael, D.J. L433**, L508**
Chase, D.C. 10**, 327**, 328**
Chasens, A.I. 424†
Chatterjee, R. 58**
Chauncey, H.H. 62, 51**, 485**
Chavrier, C.A. L70**, L77**
Chen, P.B. 107**
Cheraskin, E. 184†
Chernick, L.B. 518**
Cherrick, H.M. 522
Chi, E.Y. L507**
Chiba, M. L38**
Chibon, P. L242**
Chierici, G. L440**
Chino, T. C106*
Cho, H.W. 477**, L116**
Cho, M.I. L391**
Chosack, A. 16
Chovelon, A. L508**
Chow, L.C. 65, 475, 1089†, 120**
Christensen, F. L528**
Christensen, J. L136**, L519**
Christidou, L. 168
Christie, R.D. L152**
Christie, T.M. 487
Christner, P.J. 89**

Chung, C.S. 324
Church, R. L238**
Ciancio, S.G. 585**
Cimasoni, G. 666*, L23**, L426**
Cipes, M. 45**, 488**
Civjan, S. 89
Claman, L.J. 535**
Clancy, K. 543**
Clark, D.C. L142**
Clark, D.E. L376**
Clark, G. L71**
Clark, J.S. 345**
Clark, R.E. 422†, 907†
Clarke, N.G. 654*
Clarke, R.L. 7
Cleall, J.F. 7**
Cleaton-Jones, P.E. 681*, 683*, 691*, L511**, L545**
Clergeau-Guerithault, S. 660*, L221**
Cleveland, D.E. 224**
Clewell, D.B. 238**, L297**
Clipston, J.M. 364**
Cloutier, P. 410**
Clynes, J.T. 364**
Cobb, C.M. 86**, 568**
Coccodrilli, G., Jr. 365
Cocks, G.J. 645*
Cogen, R.B. 314**, L502**
Cohen, C. 426**
Cohen, M.M. 767, 44**
Cohen, M.M., Sr. 34**
Cohen, R.L. 426**
Cohen, T. 16
Colasanti, R. 671*
Cole, J.S., III L465**
Cole, M.F. 449, L83**
Coleman, R.A. 244**
Collard, E.W. 354**, 361**
Colman, G. 653*, L525**
Colwell, R.R. 239**
Combe, E.C. 140**, L329**, L331**
Conard, G.J. B68, 621**
Concool, B. L94**
Condacci, I. L23**, L426**
Condon, G. 644*
Conn, K.M. L103**
Conneally, P.M. L367**
Cons, N.C. L312**
Consani, S. L160**
Conti, C.J. 633*
Conway, T. 908†
Coogan, M.M. 683*, 690*
Cook, W.S. 117**
Cooke, R.T. 199**
Cooley, R.O. 342**, L355**
Cooley, R.W. 21**, 551**
Cooper, A.D. L381**
Cooper, L., Sr. 327**, 328**
Cooper, T.M. 1056
Corah, N.L. L557**
Corbett, M.E. L139**
Corcuff, M. L423**
Cornwell, W.S. 565**
Corpron, R.E. 192**, 256**
Correll, P.J. 169**
Cosgrove, J.H., III 1149, 139**, 459**
Coslet, J.G. 295**
Cosner, H.E., Jr. 463**
Costa, O.R. 634*
Costa, P.T., Jr. 485**
Costa, R.O. 633*
Cotton, W.R. 515**, L187**, L393**
Courtney, R.M. 278**, 615**
Courts, F.J. C110T, 528**
Cowman, R.A. 298
Cox, C.F. 218**, 322**, L236**
Coykendall, A.L. 330*, L293**
Craig, P.J. 649*
Craig, R.G. 10, 255, 644*, 1216, 15**, 134**, L323**
Cramer, J.F. 225**
Crane, D. L158**
Cranin, A.N. 276**, 279**
Crawford, A. 209**, 213**
Crawford, A.N. L556**
Crawford, J.J. 829, C110T, 517**, 608**
Crawford, J.M. 53**, L274**
Crespo, J. 635*
Cressey, D.E. 872
Crielaers, P.J. L285**
Crigger, M. L453**
Crisp, S. 1173, 1238†, L447**
Croissant, R.D. 249**, L55**
Crowe, J.P. 235**
Crowley, A. 548
Cummings, A.E. L151**
Cupiola, R. L31**
Curbelo, H.M. 637*, 637*
Curzon, M.E. 910†, 453**
Cushner, S.C. 63**
Cutler, S.L. 783
Cutress, T.W. 658*
Cutright, D.E. 203**, 344**, 363**, 398**

D

D'Ambrosio, H.P. L333**
Dabelsteen, E. L536**
Daculsi, G. L65**
Dale, B. L282B**
Daley, T.E. L254**
Dambrain, R. 661*
Damle, S.P. 237**
Daneo-Moore, L. L67**
Daniel, A. 665*
Daniels, T.E. 529**
Darling, A.I. L362**
Darling, A.T. L439**
Das, S.K. 987
David, P. L58**
Davidovitch, Z. 11**, 560**, L114**
Davidson, C.L. 672*, L320**, L546**
Davies,, R.M. L139**, L215**, L455** L462**
Davies, T.G. L303**
Davila, J.M. 999, 222**
Davis, J.A. 527
Davis, R. L424**
Davis, R.W. 240**
Davis, W.B. 1078, L149**, L150**, L341**
Davison, T.A. 638*
Dawes, C. L198**, L200**
Dayan, D. C99*
de Alba, J.A. 2**
De Angelis, R.J. 403**
de Aramburo, B.M. 639*
Deasy, M.J. 600**
Debussy, T. 668*
DeCarlo, A. L253**
de Ciola, E.N. 635*
Decker, D. 489**
de David, M.L. 638*, 639*
Dedhiya, M.G. L538**
de Estevez, O.T. 640*
de Fumosas, S.S. 635*
de Funosas, S.S. 636*
Degand, P. 674*
de Giola, E.N. 636*
de Graaf, R. L168**
DeJean, E. 587**
De Klerk, H.C. 686*, 691*
de la Lande, I.S. 656*
Del Balso, A.M. 150**, 152**
Deli, R. 678*
Delisle, A.L. 337**, L76**
Dell, R. L314**
Deloince, R. 677*
del Rio, C.E. L469**
Delude, R. 334**
Demcisak, B.A. 631
Demello, F. 692T
Demetriou, N.A. 666*, L461**
de Morales, E.G. 639*
Dennis, C.G. 643*
Dennis, D.A. 716
Dennison, J.B. 15**, 182**
Denny, P.C. 575**
DePalma, P.D. 507**, 514**, 603**
DePaola, D.P. 912†, 1049, L53**, L311**
DeRenzis, F.A. 299**
Derfler, B.M. 371**
de Rey, B.L. 631*, 632*
De Simmone, D. 421**
DeSimon, L.B. 89, 1149, 139**, 459**
De Stoppelaar, J.D. L69**
de Tourniel, F. L185**
Deutsch, D. L540**
DeVore, D.T. 428**, L271**
de Wachs, T.B. 636*
Dewhirst, F.E. 405**
Dhariwal, R.S. L170**
Dhuru, V. L549**
DiAngelis, A. 692T
Diaz-Perez, R. 708
Dick, H.M. L508**
Dickens, B. 123**, 128**
Dickinson, C. 644*
Dickinson, Z.A. 163**
Dicks, D.A. L13**
Dickson, G. 356**
Di Constantino, G. 673*
DiCostanzo, G. L390**, L392**
Dijk, J.W. L223**, L224**
Dillingham, E.O. 968, 972
Dils, G.W. 265**
Dilts, W.E. 354**, 361**
Dilworth, J.B. 48**, 376**, L284**, L552B**
Dingwall, D. L89**
Di Paola, C. 264**
Dirksen, T.R. 131, 1009, 261**, 412**, L315**
Dishon, T. 609, L264**
Dnebosky, J. 772
Dogon, I.L. 19**, 223**
Doherty, N. 37**, L286**
Doku, H.C. 427**
Dolan, M.M. 507**, 508**, 514**, 603**
Dolby, A.E. L470**
Domer, L. 1056
Dominguez, F.V. 632*, 639*, 640*
Donatoni, S.L. 434**
Donegan, S.J. 179**
Dooley, R.J. 382**
Dootz, E. L322**
Dordick, B. 295**, 451**
Dorenbos, J. 669*
Dorey, C.K. 195**
Doueck, J. 225**
Douglas, W.H. L349**, L466**
Dowd, F.J., Jr. 911†
Dowling, D.B. 280
Downer, M.C. L139**, L303**
Dowty, B. 59**
Doyle, J.L. 1196
Drach, J.C. L302**
Draughn, R.A. 17**, 273**, 321**
Dreizen, S. 740, 193**, 200**, 392**, L270**
Dreyer, C.J. 683*, 688*
Dreyer, W.P. 683*, 686*, 691*
Dricos, G. 666*
Driessens, F.C. 665*, 665*, 679*, L168**, L223**, L224**
Driscoll, W.S. 580**
Driskell, T.D. 221**, 320**, L246**
Drolette, M. 159**

Drummond, J.F. 194†, 912†, 1049, 1143, L428**
Duany, L.F. 290**, 581**, L340**
Duckworth, R. L541**
Ducroc, J. 672*
Duffaut, D. 662*
Duflot-Vignery, A. 677*, L317**
Duke, S.A. L104**, L107**
Dumont, J. L239**
Duncanson, M.G., Jr. 1207, 349A**, 354**, 361**, L332**
Dunklin, T. L210**
Dunnell, M., L434**
Dunny, G.M. 238**
Duperon, D. 609**
Du Plessis, J.B. 684*
Dusenberry, G.R. 360**
Duterloo, H.S. 669*
Duxbury, A.J. L376**
Dvarskas, R.A. 330**
Dvivedi, N.N. 463**
Dworkin, S.F. 491**
Dwyer, T. 419†

E

Eames, W.B. 224**, 504**, L337**
Eanes, E.D. L102**
Earnshaw, R. 645*
Eastman, W.P. 844
Eastoe, J.E. L547**
Ebersole, J.L. L294**, L403**
Eckerdal, O. 11**, 560**, L114**
Eckermann, E.H. 471
Edel, A. L417**
Eden, G.T. 180**
Edie, J.W. 348**
Edgar, W.M. B34, L306**, L336**, L382**
Edwall, L. L40**
Edwards, M.B. L497**
Edwards, V.M. 531**
Egnor, R.W. 94**, 95**
Ehrlich, J. 290, 897, C98*
Ehudin, H. 538**
Eichner, H. L385**
Eidelman, E. 16
Eisenbud, L. 561**
Elderton, R.J. L169**
Elgeneidy, A.K. 510**
Ellen, R.P. L534**
Ellender, G. 648*
Ellinger, C.W. L514**, L516**
Ellingson, J.S. 411**
Ellison, L.T. 619**
Ellison, S.A. 54**, L505**
Elvin-Lewis, M. 331**
Embery, G. L99**
Emilson, C.G. L295**, L526**
Emmings, F.G. L400**
Engel, M.B. 252**
English, J. 579**
Ennever, J. 185†, 416†
Enno, A. 655*
Enwonwu, C.O. 495**
Erickson, J.D. L174**, L260**
Ericson, T. L404**
Ericson, T. L410**, L531**
Ericsson, I. L9**
Eriksen, H.M. 329A**
Escobar, V. L367**
Esposito, E.J. 398**
Essig, J. 380**, 381**
Ettinger, R.L. 620**
Evans, R.T. L401**
Evans, W.G. 684*
Evaskus, D.S. 280**
Everett, M.M. 225**, 243**, 350**, 418**
Everhart, J. 423**

F

Faermark, W. 254**
Fairhurst, C.W. 353**, 457**
Falcetti, J.P. 34**
Falkler, W.A., Jr. L212**
Fan, P.L. 262, 184**
Farah, J.W. 10, 255, 644*, 902†, 15**
Farber, P.A. 299**, 614A**
Farbman, A.I. L232**
Farman, A.G. 684*
Farnoush, A. 202**, L132**
Farso-Madsen, K. L19**
Fawzi, M. 449**
Feagin, F. B121
Feasby, W.H. 190**
Fedi, P.F. 79**, 297**
Feigenbaum, J.A. 472**
Feiglin, B. 646*
Feingold, R. 283**
Fejerskov, O. L60**, L88**, L235**, L360**, L506**, L543**
Feldman-Orbach, N. 387**
Feller, R.P. 1213, 50**, 51**
Felt, R. 142**
Felton, R. 112**
Ferguson, D.B. L199**
Ferguson, M.M. L1**, L197**, L237**
Ferreira, M.R. 684*
Ferrer, T. 340**
Ficara, A. 594**
Fidler, I.J. 105**, 612**
Filisko, F.E. 134**
Fillery, E.D. L218**
Fine, A.S. 94**, 95**
Fine, D. 380**, 381**
Finger, I.M. 174**
Fingerman, G. L554**
Fink, R. 166**
Finkelbrand, S. L37**
Finkelstein, G.F. 323**, 550**
Finlayson, M.H. 686*, 691*
Finn, S.B. 329B**
First, F.B. 289**
Fischman, S.L. 579**
Fisher, D.W. 187**
Fisher, R.G. 20, 25
Fishman, S.R. 162**
Fitch, R.K. L170**
Fitzgerald, R.J. 298, 339**, 581**
Flawia, M.S. 637*
Fleisch, L. 685*
Fleisch, S. 41**
Flemming, W.R. L244**
Fletcher, R.D. 441, 631**, L262**, L300**
Fletcher, R.P. L220**
Flim, G.J. L226**
Flower, C. L305**
Flygenring, K. L253**
Foley, S. L311**
Folke, L.E. 716, 872, 881, 101**, 307**, L86**, L464**
Fonseca, M.M. 638*, 641*
Fontenelle, A. 668*
Foreman, D.W. 174**, 189**, 444**, 455**, 535**
Forgione, A.G. 1120
Forlot, P. 660*, 660*, 670*
Formicola, A.J. 600**
Fornell, J. L19**, L526**
Forsythe, A.B. 601**
Fort, A. L139**
Forward, G.C. L104**, L107**
Fowler, B.O. 129**
Fox, I.J. 258**
Fox, J.L. 450**
Francis, T.C. 146
Frank, C.W. 1235†, L467**
Frank, H. 386**
Frank, R.M. 661*, 661*, 670*, 675*, 675*, 676*, B176, L429**, L535**
Franke, A.E. L297**
Frankel, A. 104**
Franquin, J.C. 668*
Franzen, A. L357**
Frasch, A.C. 633*, 633*, 633*, 634*, 634*, 638*
Frattali, V. L71**
Frederiksen, N.L. 622**
Freed, J.R. 165**
Freeman, E. 308**
Freeman, F. H. 277**, 322**
Freire, F. 631*
Frew, R. L558**
Frey, N.W. 421**, 423**
Friedenberg, S. 491**
Friedman, B.K. 96**, 97**
Friedman, C.M. 921
Friedman, L.A. 167**
Friedman, M. 450**
Friedman, M.H. 83
Friis-Hasche, E. L145**
Fritz, M.E. L201**
Frommer, J. 1027, 502A**
Fuchs, P. L231**
Fujii, H. L522**, L523**, L524**
Fujita, N. L372**
Fujita, O. L216**
Fukae, M. C103*
Fuks, A. 496
Fukushima, H. C101*
Full, C.A. 192†
Fullmer, H.M. 85**, 86**
Fulton, R.S. 207**
Fumosas, J.R. 635*
Funakoshi, K. C108*
Funakoshi, M. C103*, L372**
Funke, F.W. 321**
Furstman, L.L. 372**
Furuto, D. 1095†, 90**, 91**
Furuyama, S. 32, 418†
Fusayama, T. 916†, 1019, C109*

G

Gabler, W. L41**
Gaffar, A. 60**, 583**
Gaillard, J.A. L58**
Gaines, J.F. L187**
Gaines, W.B. L550**
Galil, K.A. 960, 1093†, 437**, 598**
Galinsky, M. L459**
Gallop, P.M. 305**
Galon, H. 444
Galperin, D. L316**
Gammal, E.B. 598**
Gamper, C.H. 637*, 637*
Gangarosa, L.P. L30**
Garant, P. L27**
Garcia, D. 6**
Garfinkel, L. 276**
Garg, A. 384**
Garg, S.K. 290
Gargiulo, A.W. 553
Garland, S. 427**
Garn, S.M. 420†, 697†, 34**, 366**, L142**
Garnick, J.J. 867, 201**
Garrett, J.R. L203**, L205**, L486**
Gartner, L.P. 148**, 367**, 559**
Gaspar, J.D. 504**
Gaspard, M. 670*
Gaugler, R.W. 362**
Gaumer, H.R. 692T, 101**, L464**
Gawronski, T.H. 716, 872, 881
Gedalia, I 304, 426†, 496, 696, 897, 1240†, B125, C96*, C98*
Geddes, D.A. L306**, L336**, L382**
Gehring, F. 660*, L81**
Geis, S. 102**

Geister, D.E. 177**
Gelman, R.A. 498**
Genco, R.J. 523**, L400**, L505**
Gendelman, H. 638*, 641*
Gerke, D.C. 656*, 656*
Germishuys, P.J. 685*
Gerson, S.J. 304**
Gesing, I.B. L534**
Getter, L. 216**
Gettleman, L. 905† 275**, 283**
Gibbons, R.J. 228**, 628**, L529**
Giddon, D.B. L289**
Gier, R.E. 220**
Gift, H. 157**, 158**, L146**, L283**, L287**, L553**, L558**
Gilbertson, J.R. 498**
Gildenhuys, R.R. 110**, 460**
Gill, H.I. 653*, L182**
Gilliam, O.R. 127**
Gillings, B.R. 269, 643*
Gillis, P.P. 403**
Gillis, R. 375**
Gillon, D.G. L46**
Gilmore, N.D. 422†
Gilmour, M.N. L299**
Gimenez, I.B. 633*
Gjermo, P. B44, L473**, L527**
Gladstein, G. 383**
Glantz, P.O. L93**
Glass, R.L. 41**, L334**
Glavind, L. 316**
Glenn, J.F. 138**
Glick, J. 797
Glick, P.L. 348**, 436**, 452**
Glickman, I. 1243†
Glimcher, N.J. 592**
Globerman, D.Y. 119**
Goaz, P.W. 1091†
Going, R.E. 133**
Gold, S. 607**
Gold, S.I. 480**
Goldberg, A. 173**
Goldberg, A.J. 134**
Goldberg, H.J. 259**, 543**, 565**, 597**
Goldberg, L.J. 371**
Goldberg, M. 673*, 675*, 676*, L437**
Goldhaber, P. 214**, 589**, 592**, 593**, L321B**
Goldman, L. L153**
Goldman, M. 907† 63**, 210**, L153**
Goldraij, A. 639*
Goldraj, A. 639*
Goldschmidt, P.R. L502**
Goldstein, M.S. 165**
Goltry, R. 621**
Golub, L.M. 605**
Gomes, B. 590**
Gong, J.K. 622**
Gonzalez, J.B. 1039, 692T
Gonzalez, L.F. 194**
Gonzalez, M. B121
Goodchild, J.M. L305**
Goodson, J.M. 407, 401**, 405**, 632**, L510**
Gordon, H.P. 509**
Goren, A.D. 561**
Goss, A.N. 651*
Goto, G. L350**
Gottlieb, R. 490**
Grabowski, M. L327**
Grady, J.D. 481**
Graessle, O. 600**
Graf, H. L7**
Graf-de Beer, M. L20**
Graf-Pinthus, B. L42**
Grajower, R. 212, C99*
Grampp, W. L201**
Grand, N.G. 429**
Grandgeorge, M. 452**
Grant, A.A. L329**, L331**, L460**
Grant, D.A. 200**
Grasso, J.E. 170**
Gratton, D.R. 277**
'S-Gravenmade, E.J. 662*, 674*
Graves, R.C. 161**, 183**
Gray, R. 496**
Gray, W.A. 777
Greeley, C.B. 999, 222**
Green, E. 164
Green, G.C. L299**
Green, L.J. 802, 31**, L43**
Greenberg, A.R. 272**
Greenberg, B. 96**
Greenberg, J.M. 629**
Greene, D.L. 344
Greene, J.C. L454**
Greener, E.H. 280, 904†, 1031, 21**, 140**, 142**, 323**, 357**, 462**, 519**, 520**, 545**, 550**, 551**, L158**, L165**, L355**
Greenspan, J.S. L269**
Greenwood, L.F. B201, L36**
Gregg, J.M. 481**
Grenby, T.H. L343**
Grenoble, D. 298**, L249**, L253**
Grey, H.M. 529**
Grigsby, W.R. 231**
Groeneveld, A. 664*
Grøn, P. 267**, 268**, L92**
Gross, A. 1236†, 56**
Grove, S.B. 236**
Grower, M.F. 62**, 216**, 591**, 594**
Guccione, P. 1235†, L467**
Guenther, H.L. 249**, L55**
Guevara, M.J. 345**, 494**
Guggenheimer, J. 441
Guinard, M. 661*, L75**, L535**
Guire, K.E. L142**
Gurion, B. 480**
Gustafson, G. B114
Gustafson, G.T. 11**, 560**, L114**, L482**
Gutman, G. L269**
Guyomard, F. L318**
Gwinnett, A.J. 960, 437**, 605**, L350**

H

Habib, C.M. 63**, 210**
Haddad, A.W. 1243†
Haegerstam, G. L40**
Hageage, G.J., Jr. 195†
Hagen, A.R. 384
Hall, R.E. L400**
Hamada, S. 140
Hamada, T. 654*, C105*, L325**
Hamano, Y. C108*
Hamerink, H.A. 456**
Hamill, D.L. L222**
Hamilton, W.J., Jr. 49
Hammarstrom, L.E. L357**, L358**
Hammond, B. 233**
Hammond, B.F. 208**, 530**, L217**
Hamosh, M. 493**
Hamp, S.E. L19**
Han, S.S. 477**, L116**, L391**
Hand, A.R. 493**
Handelman, S.L. 1107, 39**, 385**, L407**
Handler, S. 740, 392**
Hanker, J. C110T, 154**, 244**, 370**, 373**, 517**
Hankin, S. 57**
Hanks, C.T., 938, 948, 499**
Hannam, A.G. 694†
Hansen, F. L137**, L473**
Hansen, M.A. L373**
Hanson, E.C. 227, 24**
Hänström, L. L482**
Hara, K. C102*
Harcourt, J.K. 644*
Hardee, P.C. 43**
Hardie, J.M. L210**, L218**, L408**, L530**
Hardwick, J.L. L354**
Hardy, F. 135**
Harms, W.S. 131
Harndt, R. L245**
Harper, R.A. L222**
Harrington, D.B. 414**, 567**, L207**
Harris, J.E. 764, 699†, 27**, 566**, L176**
Harris, R. 64**
Harris, R.S. 716, 872, 881, 987
Harrison, J.D. L486**
Harte, D.B. 993, 188**
Hartley, G.J. L455**
Harvey, B. 643*
Harvold, E.P. 29**, 470**, L440**
Hase, M. 646*, 655*
Hasegawa, K. 666*, C106*
Hassel, F. 341**
Hasselgren, G. L357**
Haugen, E. L34**
Hausmann, E. B94, 416**, 590**
Hawes, R.R. 797
Hawley, C.E. 203**, L212**
Hay, D.I. 267**, 268**, L92**
Hayashi, J.A. 525**
Hayashi, T. 1082
Hayes, G. 371**
Hayes, K.C. 413**
Hayes, L.E. 619**
Hayes, M.L. L298**
Hayward, A.F. L120**
Hayward, J.C. 468**
Heath, R. L324**
Hechter, F.J. 7**
Hedner, P. L39**
Heeley, J. L262**
Heeley, J.D. 206**, 223**
Hefferren, J. L558**
Hefferren, J.J. 291**, 439**, 449**, 450**, 511**, 621**, L150**, L538**
Heiby, E. 797
Heifetz, S.B. 442**, 580**
Heilbron, D.C. 470**, 607**
Heintz, C.E. 516**
Helft, M. 444
Heller, A.L. 221**, 320**, L246**
Heller, R.F. 1120, L128**
Hellmuth, E.W. 408**
Helsby, C. L544**
Hembree, J.H. 20**
Henderson, A.M. 344
Henderson, D. L514**
Henderson, W.G. 146, 441**, L539**
Hendrickx, A.G. 35**
Hendy, J.A. 77**
Henkin, R.I. 36**
Henrickson, R.V. 35**
Henry, C.A. 229**
Henry, J.L. L125**
Henry, P. 19**
Herbison, R.J. 1107, L133**
Herr, P. 668*
Hershey, H.G. 360**
Hertert, R.S. 1149, 139**
Herzberg, F. 472**
Hetem, S. 783
Hetzel, S. 155**
Heuer, M.A. 921, 518**, 519**, 520**
Hewett, M.J. 627**
Heys, D.R. 218**

Heys, R.J. 218**
Hiatt, J.L. 148**, 367**, 559**
Hickman, F. 292**
Higginbotham, D. 6**
Higgins, M.L. L67**
Higuchi, W.I. 449**, 450**, L538**
Hiiemae, K. L375**, L378**
Hikima, T. C109*, L115**
Hildebrand, C.N. 630**
Hill, J.M. L12**
Hill, M.W. L494**, 495**
Hill, P.H. 191**
Hinding, J.H. 692T
Hine, M.K. 917
Hinman, R.W. 362**
Hitchin, A.D. L548**
Hobdell, M.H. L290**
Hochman, N. 897
Hochman, R.F. 546**, L162**, L166**
Hochstetter, R.L. 1097†
Hock, J. 610**
Hodgson, C. L196**
Hodosh, M. 275**, 319**
Hoekstra, I.S. L320**
Hoerman, K.C. B131, L422**
Hoff, M. 662*
Hoffeld, J.T. 99**
Hofsdy, H. L98**
Hofstad, T. L213**, L214**, L272**
Holbeche, J. 653*
Holbrook, I.B. L431**
Holbrook, S. 263**
Holland, G.R. L570**
Hollinshead, M.B. 75**, 198**
Holloway, P.J. L303**
Hollshwander, C.H. 83
Holman, M.R. L298**
Holmes, G.E. L300**
HolmPedersen, P. 101**, 307**, L464**
Holmstedt, J.O. 66**, 345**, 494**
Holmstrup, P. L481**
Holt, S.C. 235**, L208**
Holthuis, A.F. 307**
Hood, J.A. 10, 644*
Hooks, J.J. 102**
Hopps, R.M. L493**
Horikawa, T. L209**, L216**
Horiuchi, N. C108*
Horowitz, H.S. 1092†, 442**, 580**
Horowitz, S.L. L42**
Horn, Y. 378
Hornbuckle, C. 211**
Horner, J.A. 457**
Horsted, M. L88**
Horwitz, O. L136**
Hoshino, E. C102*
Housch, T. 534**, L307**
House, J.E. 171**
House, R. 171**
Houssay, A.B. 638*
Houston, J.B. 515, 400**, 432**, L551**
Houston, W.J. L369**
Howden, G.F. L17**
Howe, E. 600**
Howell, R.A. L306**, L336**
Howell, T.H. 628**
Howes, R.I. L485**
Howland, B.E. 396**
Howlett, J.A. L479**
Hrabak, F. 772
Huang, L.Y. L507**
Hudson, B.M. L268**
Huget, E.F. 89, 1149, 139**, 363**, 459**, 463**, 503**
Hughes, D.F. L376**
Hughes, M.L. 40**, L288**
Hulbert, S.F. B153
Hull, P.S. L139**
Hume, W.R. 652*, 656*
Hunke, P. L301**
Hunt, C.E. 289**, L310**
Hurt, W.C. 74**
Hussey, M. L151**, L348**
Hutchens, L.H., Jr. 199**
Hutchman, J. 514**
Huxley, H.G. 658*
Hwang, A.S. C109*, L115**
Hwang, L. L391**
Hylander, W.L. 1242†
Hynkova, V. 772

I

Iacono, V.J. L394**
Ikeda, K. C109*, L115**
Ikeno, N. C104*
Iker, H.P. 39**
Imai, A. C104*
Infante, P.F. 723, 915†, 469**
Ingersoll, C.E. 466**, 467**
Ingle, J. 511**
Inglis, A.T. L326**
Inkster, W.C. 694†
Inoki, R. 1082
Inoue, M. C101*
Inouye, L. 1180
Inui, M. C101*
Iosipovitz, J. C96*
Ireland, R.A. 651*
Irving, J.T. 206**
Isaacson, R. L559**
Ishii, C. C101*
Ishikawa, I. L426**
Ishikawa, J. C104*
Ismail, Y. 490**, L513**
Ito, N. 425†, C106*
Itoiz, M.E. 633*, 638*
Ivanyi, L. L265**
Izumi, K. C109*
Izutsu, K.T. 570**

J

Jablon, J.M. 340**
Jabro, M. 98**
Jacobs, B 476**
Jacobsen, N. L204**
Jacobsen, P.H. 41, L444**
Jacobson, A. 685*
Jagels, A.F. 613**
James, W.B. 431**
Jamieson, S. 357**
Jamison, H.C. 329B**
Jansen, H.W. 669*
Jarrett, C. 310**
Jasinevicius, T.R. L504**
Jedrychowski, J. 284
Jee, A. 587**
Jee, W.S. 241**, 242**, L314**
Jeffay, H. L421**
Jendresen, M. 355**
Jenkins, C.B. L352**
Jenkins, G.N. B34, L306**, L336**, L382**, L386**
Jenkins, P. 673*, L390**
Jenkins, W.A. 13**
Jensen, G.K. 615
Jensen, J.E. L528**
Jensen, J.R. L155**, L157**
Jensen, S.H. L15**
Jensen, S.J. L161**
Jenzano, J.W. 829
Jepsen, A. L235**
Johansen, E. 217**, 393**, 410**, 536**, L484**
Johansen, J.R. L34**, L137**
Johnsen, D.C. 365**
Johnson, A.R. 573**
Johnson, D. 600**
Johnson, D.A. 495**
Johnson, G.A. L170**
Johnson, L.B., Jr. L163**
Johnson, N.W. L493**
Johnson, R. 767
Johnson, S.P. 948
Johnston, D.A. 740
Johnston, L.E. 251, 577**
Johnston, M.C. 479**
Johnston, W.M. 698†, L549**
Jones, J.H. L478**
Jong, A. 44**
Jongebloed, W.G. 662*, 671*
Jongebloed, W.J. 664*
Jordan, H.V. 332**
Jordan, R.E. L350**
Jordan, T.H. 128**
Jordi, H.C. 62**
Jordon, H.V. L262**
Jordon, R.E. 532**
Jorgensen, K.D. L446**
Jorgensen, N.B. 965
Joris, L. 14**
Josephsen, K. L60**
Jotterand, H. L23**
Joyston-Bechal, S. L541**
Judd, G. 49
Juliano, D. 579**
Jurand, J.G. L489**

K

Kaaber, S. L389**
Kaae, O. 230**, L33**
El-Kafrawy, A.H. 421†, 212**, 521**
Kahnberg, K.E. L275**
Kakudo, Y. C104*
Kaleka, G. L317**, L318**
Kaleka, R. 676*, 677*
Kalis, P. 283**
Kallenbach, E. L63**
Kaloyannides, T.M. 168, 493
Kaluza, J.J. 632*, 634*, 636*
Kamel, I.L. 272**, 274**
Kamen, A. 1098†
Kameyama, Y. L241**
Kaminski, E.J. 282**, 323**, L158**
Kanamori, T. 535
Kaneko, K. C102*
Kanno, Y. C105*
Kapari, D.J. 493
Kappler, J.W. 99**
Kapur, K.K. 6**, 51**, 171**, 485**
Kaqueler, J.C. L423**
Karakasis, D.T. 59
Karcher-Djuricic, V. 663*
Kardachi, B. 654*
Kardos, T.B. 649*, 657*
Karle, E. 660*
Karlsson, U.L. 982, 1235†, L467**
Karmiol, M. 389**
Karring, T. 316**, L277**
Kashket, S. 57**, 624**
Kaslick, R.S. 424†
Katcher, A.H. 386**, 487**
Kato, H. L524**
Katz, A. L31**
Katz, E.P. L112**
Katz, J.L. 121**, L184**
Katz, S. 540, 696†, B27, 68**, 69**, L344**
Katzer, R.L. 408**
Kauffman, D.L. L96**
Kauffman, F.C. 150**, 152**
Kaufman, E. 212
Kaufman, G.S. 418**
Kaufman, H.W. 124**
Kavanagh, B.J. 507**
Kawagoe, M. 1082

Kawahara, H. 125, 394
Kawamura, Y. 654*, C103*, L370**
Kawano, T. C103*
Kawata, T. C107*
Kawazoe, Y. C105*, L325**
Kay, R.F. 1242†
Keene, H.J. 606**, L409**
Keene, J.J., Jr. 77
Kegeles, S.S. 164**
Keis, A.F. 626
Keith, C.L. 377**
Keith, D.A. 305**
Keizer, S. L353**
Keller, P.J. L100**
Keller, S. L308**
Kelley, J. 511**
Kelly, J.F. 424**, L562**
Kelly, T.A., Jr. 164**
Kemplay, S.K. L2**
Kennedy, J.W., III 431**
Kenner, M.F. 205**
Kenney, C.H. L554**
Kerebel, B. 660*, 660°, 665°, L65**, L221**
Kerley, T.R. 10**
Kerr, D.A. 55**
Kestenbaum, R.C. 351
Keszler, A. 640°, 640*
Keudell, K. 331**
Keyes, P.H. 195†
Khowassah, M.A. 146, 751
Kidd, A. L205**
Kidd, E.A. L342**
Kiely, M.L. 326**
Kieser, A.W. 691*
Kilian, M. 230**
Killian, W.F. 185†
Kilpatrick, K.E. L291**
Kim, H.W. 217**
Kim, M.K. L116**
Kimbrough, O.L. 431**
Kimmel, D.B. 241**, 242**, L314**
Kimmelman, J.R. L276**
Kindaichi, J. C108*
King, J.D. 931
King, O.H., Jr. 615
King, R.E. 685°
Kinnamon, K.E. 471
Kinnen, E. 259**, 597**
Kirkegaard, E. L543**
Kirkwood, J. 648*
Kishi, K. C107*
Kisieleski, W. 1069
Kisko, T.M. L291**
Kitcher, P.K. L199**
Klapper, C.E. 668*
Klapper, L. 343**
Klawitter, J.J. 281**, L247**, L252**
Kleber, C.J. 527
Klees, L. 662*
Klein, J.P. 661*, 661*, 674*, L75**, L535**
Klein, R.M. 414**, 567**, L207**
Klein-Szanto, A.J. 631*, 631*, 632*, 633*
Kleinberg, I. 58**, 119**, 124**, 605**
Kleinhaus, U. L117**
Kligerman, B.A. 602**
Klineberg, I.J. 269
Klötzer, W.T. 678*
Klugman, G. 331**
Knap, F.J. 175**, 178**
Knoell, A. 298**, L249**
Knox, K.W. B94, 626**, 627**
Knox, W.E., III 394**
Knuuttila, M.L. L79**
Kobayashi, S. C102*
Koblitz, F.F. 138**
Kobs, J. L467**
Koch, W.E. 368**, 374**
Kochavi, D. 304, C98*
Koenig, H.A. 5**, 358**
Koenig, M.E. 24**
Koenigs, J.F. 221**, 320**, L246**
Kofoed, J.A. 637*
Kogo, T. C107*
Kohn, M.W. 914†, 10**, 327**, 328**
Kolakowski, D. 32**
Kolas, S. 324**
Kollar, E.J. 783
Kolstad, R.A. L415**
Kolstad, R.A. 338**
Kondo, W. C102*
König, K.G. L144**, L459**
Konviser, J.V. 683°, 686°
Koo, C.S. L116**
Kopczyk, R.A. 914†
Koran, A. 1216, 82**, L323**
Korayem, M.R. L321-B**
Koritzer, R.T. 443**
Kornman, K.S. 634**
Korostoff, E. 1207, 349A**, 544**
Korts, D.C. 442**, 580**
Koshiba, H. C108*
Koski, K. L180**
Koskinen, L. L191**
Koslowsky, M. 47**
Kotowicz, W.E. L243**
Koulourides, T. 292**, 534**, L307**, L308**
Kovaleski, W.C., III L243**
Kovarik, F.A. 219**
Kovatch, J.S. 359**
Kowalski, C.J. 669*, 669°, 699†, 764, 1241†, 27**, 566**, L176**
Kraal, J.H. L257**
Krakowski, A. 574**, L206**
Kraijk, J. 464**
Kramer, G. 62**, 216**, 591**, 594**
Kramer, I.R. L477**
Kranz, S. 44**
Krasse, B. L532**
Kraucunas, E. L237**
Krawczyk, W.S. 194**, L46**
Kreiborg, S. L177**
Kreifeldt, J.G. 191**
Krichevsky, M.I. 239**
Krogstad, S. L98**
Kronman, J.H. 907†, 63**, 210**, 476**, L153**
Kruger, B.J. 657*, 822
Kruger, L. 372**
Kruper, D.C. 490**, L513**
Krutchkoff, D.J. 1154
Krygier, G. L505**
Krzeminski, Z. 183†
Krzypow, A.B. 605
Kubota, K. 788, C104*
Kudo, N. C108*
Kudo, T. 1082
Kuftinec, M.M. 3**
Kuipers, P.W. L488**
Kulkarni, R.D. 542**
Kulp, P.R. 138**
Kumamoto, Y. 458**
Kurer, H.G. L331**, L356**
Kuroda, S. 106**
Kusy, R.P. 1233†, C110T. 23**, 132**
Kwasman, R. 383**, 385**

L

El-Labban, N.G. L477**
Lachman, R. 475**
Lachmann, P.J. L395**
Lacy, R. 487
Lähdemäki, P. L180**
Lai, C.-H. 113**, 233**
Laibu, E. C98*
Lainson, P.A. 73**
Laison, F. 668*, 670*
Lakshmanan, C.D. L472**
Lamarre, Y. 257**
Lamberts, B.L. 857, 265**
Lam Ngoc, A. L317**
Landay, M.A. 673*
Lang, N.P. 318**
Langebaek, J. L457**
Langeland, K. B158, 333**, 515**
Langkamp, H.H. L413**
Lapeyre, J.N. L54**
Lara-Garcia, W. 777
Larmas, L. L240**
Larmas, M. L80**, L81**, L240**
Larsen, M.J. L360**, L387**
Larson, L.R. 411**
Larson, R.H. 160, 294**
Larson, S.G. L30**
Laseter, J.L. 59**
Laskin, D.M. 280**, 429**, 557**
Latham, R.A. 151**
Lau, J. L434**
Laufer, E. 1240†
Laughlin, W.S. 564**
Lautenschlager, E.H. L248**
Lautenschlager, E.P. 359**, 518**
Lautrou, A. 668*, 670*
Lavelle, C.L. 700†, L170**
Lawson, A.J. 622**
Lazzara, R. 424†
Lazzari, E.P. 67**
Leach, S.A. L97**
Leadbetter, E.R. 235**, L208**
Leake, D.L. 430**
Leaver, A.G. L431**
Leavitt, C.A. L96**
Leclercq, C. L392**
Ledoux, W. 461**
Lee, C.V. 1222
Lee, H.B. 132**
Lee, N.H. 245**
Lee, S.D. 192**, 256**
Leever, D.L. 560**
Lefevre, R. L429**
Legler, D.W. 40**, 376**, L284**, L288**
Lehman, R. 369**, L56**
Lehner, T. L256**, L266**, L276**, L395**, L397**, L398**, L501**
Leidal, T.I. 152
Leize, M 667*
Leloup, R. 672*
Lemeh, D.H. B198
Lemire, M. 667*, 667*, 670*
Lemmer, J. 686*, 686*
Lemons, J.E. B166
Lenke, J.W. L251**
Lennon, M.A. L139**, L455**, L462**
Leong, A. 644*
Leonard, E.P. L187**
Leonora, J. 419†, 567, 570, 578
Lepore, M. 207**
Leroy, O. 676*
Lervik, T. L171**
Leske, G.S. L312**
Lesot, H. 663*
Leung, T. L91**
Leung, W.S. 433
Leverett, D.H. 39**
Levine, M. L100**
Levine, R.S. 1090†, L3**
Levitt, M. 484**
Levy, B.M. 100**, 193**, 200**, 313**
Levy, J.S. 443**
Lewin, A. 686*, 686*
Lewis, B.G. 1173, 1238†
Lex, C. 671*
Li, S.T. L112**
Liatukas, E.L. 16**

Libourel, P. L263**
Lie, T. L16**
Lieb, R.J. 492**
Lieberman, M.A. 605
Liem, S. 402**
Lies, M. 79**
Lilienthal, B. 266**, L227**
Liljemark, W.F. 269**
Lilley, V. L308
Lillie, J.H. L26**
Lim, J.K. 615
Lin, S.B. C109*, L115**
Lin, W.L. L430**
Linden, R.W. L566**, L569**
Lindenbaum, E. L117**
Lindhe, J. L8**, L9**, L282**, L458**, L475**
Ling, F. L162**
Linzer, R. 524**
Lion, M. L423**
Lipton, J. 380**, 381**, 480**, 483**, L565**
Listgarten, M.A. 113**, 233**
Little, M.F. B137
Litzler, J. 670*
Liu, C.C. 596**
Liu, F.T. 97
Liu, K.L. 563**
Liu-Montcalm, A. 1095†
Livingston, L. 447**
Livne, E. L118**
Livsey, W.D. L157**
Llorente, M. 581**
Lloyd, B.A. 185**, 186**
Lloyd, W. B87
Lockhart, R.L. 297**
Lodter, J.P. 662*
Loe, H. 109**, 316**, 614B**, L474**
Loehman, R.E. 133**
Loesche, W.J. 108**, 109**, 116**, 334**, 335**, 336**, 634**
Loevy, H.T. 25**
Loftus, E.R. 485**
Logsdon, L.C. 556**
Lombardi, A.V. 239
London, D. L466**
Long, L.W. 290
Longton, R.W. 850, L101**, L465**
Lopez, H. 434**
Lopez, M.J. 634*, 635*
Lopez Otero, R.J. 633*
Lorente, C.A. 1049, 147**
Lorey, R.E. 384**
Lormee, P. 673*
Lorren, R.A. 353**
Losee, F.L. 453**
Louka, A.N. 548**
Loupe, M. 692T
Louw, N.P. 686*, 691*
Lowe, A.A. L374**
Lu, K.H. 104, 554**, L143**, L332**
Luben, R.L. 588**
Lucas, O.N. L419**
Lüderitz, O. B94
Lugassy, A.A. 77**, 458**
Luke, D.A. 1088†, L172**
Lund, A. 164**
Lund, J.P. 257**
Lunt, D.A. 1087†, L11**
Luoma, H. L309**
Luos, I. L371**
Luostarinen, V. L124**
Lustmann, J. 110
Lutes, M.R. L514**
Lutz, H.J. L340**
Lynde, T.A. 362**
Lyon, H. 511**
Lyon, H.W. L251**
Lyon, T.C. 1236†
Lytwyn, B.J. C110T, 132**

M

MacCallum, D.K. L26**
MacDonald, D.G. 1176, L490**, L491**, L492**
Macedo-Sobrinho, B. 309**
MacFadyen, E.E. L89**
Machen, J.B. 163**, 486**
MacIntyre, B.A. 383**, 385**
MacKenzie, E.C. L35**
Mackenzie, I.C. 64**, 73**, 614B**, 620**, L234**
Mackenzie, R.S. L291**
Mackert, J.R., Jr. 355**
Mackie, P.E. 126**
Mackler, B. 100**
Mackler, R.G. 167**
MacPhee, G.B. L197**
Madden, R.M. 67**
Madorey, F.A. 638*
Magloire, H. L239**
Magnusson, I. L531**
Mahan, C.J. 415†
Mahan, J.R. 23**
Maher, W.P. 253**, 471**
Mahler, D.B. 218, 553**, L164**
Mailland, M. 677*, L6**
Mainwaring, P. L304**
Maizumi, H. C109*
Makimura, M. 418†
Mäkinen, K.K. 1239†, 1244†, L78**, L79**, L80**, L81**, L335**, L383**, L384**
Makinson, O.F. 648*, 652*
Malaowalla, A.M. 226**, 617**
Malhotra, M.L. 1099†
Malhotra, S.K. 468**
Malloy, R.B. 66**
Maloney, P.L. 427**
Mandel, I.D. 130**, 264**, 389**, 391**, B27, L94**
Mandell, C. 97**
Manganiello, A.D. 118**
Manhold, J.H. 75**, 198**, L21**
Manhold, J.H., Jr. 1196
Mani, N.J. 226**
Manly, R.S. 993, 188**
Manson-Hing, L. L308**
Mansour, R.M. 114, 121
Mantell, P.A. L361**
Mapes, J.P. 189†
Marbach, J.J. 480**, 483**, 484**, L565**
Marcantoni, M. 632*, 636*
Marchwinski, M. 907†
Marcus, M. 38**, 42**
Marcussen, H.W. 583**
Marder, M.Z. 391**
Marek, M. 546**, L166**
Marker, B.K. 142**, 462**
Markham, J.L. 626**
Markitziu, A. 378
Markostamou, K. L319**
Marks, S.C., Jr. L122**
Marquard, J.V. 70**
Marsh, P.D. L530**
Marshall, G.W. 904†, 1031, 1222, 142**, 342**, 357**, 462**, 520**, 545**, 550**, L158**, L355**
Marshall, S.J. 519**, 520**, 545**
Marshall, W.G. 649*
Martens, L. 692T
Martinez, C. 21**
Martinez Pena, R.F. 639*
Martis, C.S. 59
Marucha, P.T. 236**
Masegi, T. 788
Masi, C.W. L24**
Mather, M.L. 585**
Mathewson, R.J. 104, 554**, L332**
Matono, R. L446**
Matsue, T. 197**
Matsui, Y. C105*
Matsumoto, S. 535
Mattamal, G.J. L108**
Matthews, B. L567**
Mattingly, S.J. L67**
Mauger, G. 675*, L317**
Mayhall, C.W. 572**
Mayhall, J.T. 1245†
McAllan, I. L556**
McArthur, W.P. 311**, 317**, L255**
McBride, B.C. 234**, L345**
McCabe, R.M. 195†, 341**
McCall, W.D., Jr. 12**, 176**, 177**
McClugage, S.G. 66**, 345**, 494**
McClure, R.C. 244
McComb, D. L159**
McConnell, D. 455**
McDaniel, S.P. 43**
McDonald, J.L., Jr. 187†, 69**, L344**
McEvoy, S. 347**
McEwan, H. 609**
McFarland, S.A. 403**, 404**
McGhee, J.R. 292**, L401**
McGivney, J. 331**
McGlone, R.E. 1161
McGowan, D.A. L406**
McHenry, H.M. 913†
McInerney, M.F. L66**
McKelvy, B.D. 522, 430**
McKinney, R. 1009, L315**
McKinney, R.V., Jr. 255**, 261**, 324**, 325**, 412**, L252**
McLundie, A.C. L151**
McMillan, D.R. L519**, L520**, L523**
McMillan, M.D. 655*
McNamara, J.A. 477**
McNamara, T.F. 96**, 97**
McNerny, R.H. 395**
McPherson, J.C. 412**, L315**
McWalter, G.M. 521**
McWilliams, R.W. 612**
Meckel, A.H. L542**
Mechin, J.C. L113**
Meechan, J.G. L90**
Mehta, N.R. 1243†
Meitner, S. C78, 76**, L22**, L134**
Melamed, B.G. 797
Melcer, F. L229**
Melcer, J. L229**
Melcher, A.H. 306**, 308**
Mellberg, J.R. 291**, 293**, 439**
Meller, S.M. 153**
Melnick, M. L367**
Melsen, B. B57, L373**
Mena, I. 430**
Menaker, L. 568**
Mendis, B.R. L439**
Mengeot, M. 127**
Menk, K. 388**
Mensh, I.N. 515
Mercer, C.E. L339**
Merchant, H.W. 619**
Mercuri, L.G. 557**
Mergenhagen, S.E. 107**, 530**
Mesegi, T. C104*
Messer, H.H. 260**
Messer, J.G. L151**
Metress, J.F. 908†
Mettler, L. 400**
Meunier, P. L263**
Meyer, J.M. 678*, L450**, L452**
Meyer, M.W. 258**, L559**
Meyer, T.S. 850, 857, 265**
Miani, C.M. 678*
Michaeli, Y. 891, L364**
Michalek, S.M. L401**
Michalski, J.P. 529**
Mickel, G.J. L409**

Mickleson, K.N. 658*
Mikkelsen, L. L543**
Mikulski, A.J. 248**, L434**
Mikx, F.H. 660*
Milgrom, P.M. 377**
Miller, C. 375**
Miller, C.H. 186†, 906†, 114**, 115**
Miller, D.M. 9**
Miller, G.P. 402**, 587**
Miller, J. L292**
Miller, M.F. L414**
Miller, M.W. L328**
Miller, S.A. 194†, 912†, 1049, 1143, 1180, 147**, 503**, 606**, L428**
Miller, S.C. 242**, L314**
Miller, W.A. 225**, 243**, 350**, 418**, 611**
Mills, B.G. 415**
Milton, B. 158**
Minah, G.E. 116**
Minkin, C. B87
Minner, I. L214**
Mino, W. L59**
Miranda, F. 354**
Mirimoto, T. C103*
Mirth, D.B. 215**
Mishiro, Y. C102*
Missan, S.R. L381**
Mita, N. C105*
Mitcham, W.T. 98**
Mitchell, D.F. 421†, 917, 212**, 521**
Mitchell, D.L. 844
Mitchell, O.G. 626
Mitsis, F. 678*
Mitts, C.M. 4**
Miura, F. C104*
Miyagawa, T. 1100†
Miyasato, Y. 1100†
Mizrahi, E. 687*
Mjör, I.A. L171**
Mlinek, A. C96*
Modan, M. 605
Modlin, L. 692T
Moellering, R. 523**
Moffa, J.P. 13**, 355**
Mohammed, H. 170**, 464**, 466**
Mohler, H.C. 224**, 504**
Molenaar, I. 664*
Molinari, J.A. L294**
Molinari, J.A. 561, L403**
Møller, E. L178**, L371**, L377**, L524**
Moltzer, G. L555**
Monsour, F.N. 656*
Montague, M.E. 850
Montcalm, A.L. 90**
Montgomery, E.H. 205**, 207**
Montgomery, P.C. 11**, 560**, L114**
Moody, G.H. L483**
Moore, B.K. 357**, 518**, L248**
Moore, D.L. 220**
Moore, H.G. C110T, 154**
Moore, M.H. L188**
Mooser, G. L500**
Morawa, A.P. 192**, 256**
Moreno, E.C. 438**, 541**, L225**, L394**
Moreno, O.M. 513**
Morgan, P.R. L52**
Morhart, R.E. 339**
Mori, M. 425†, C106*
Mori, T. 645*
Moriarty, J.D. 608**
Morimoto, R. L44**
Morimoto, T. L520**, L521**
Morioka, T. C101*
Mörnstad, H. L39**
Morris, M.H. L509**
Morris, M.L. 300**
Morrison, R.E. L300**
Mors, W.A. 282**
Moser, J.B. 280, 1031, 142**, 323**, 462**, 545**, L158**, L355**
Moses, H.A. L138**
Mosier, M.J. L289**
Moskowitz, H. 14**
Mosley, J.W. 531**
Moss, J.P. L10**
Moumni, A. 667*
Mouton, C. L78**
Movin, S. L28**
Movius, D.L. 692T, 532**, L267**
Moyano Aramburu, B. 638*
Mudd, B.D. 193†
Mueller, B.H. 486**
Muhler, J.C. 527
Mujwid, D.K. 479**
Muller, T. L283**
Mundorff, S.A. 461, 435**
Mundy, G.R. 588**
Muneoka, Y. C105*
Münzel, M. L385**
Murakami, S. L379**
Murissi, A. 641*
Murphy, R. L300**
Murphy, W.M. L466**
Murray, J.J. L147**, L556**
Murray, R. L274**
Muta, R. L380**
Myers, H.M. C35
Myrberg, N.E. 672*

N

Nagai, N. 675*, 675*
Nagatsu, T. 535
Nairn, R.I. L517**
Najjar, T. 388**
Nakagawa, H. C107*
Nakamura, M. 125, 394
Nakamura, R. 188†, 417†, 808, C105*
Nakanishi, T. 394
Nakata, M. C108*
Nally, J.N. 678*, L452**
Namikawa, I. C101*
Nance, W.E. 28**
Nancollas, G.H. 131**, 350**, 448**, L230**
Nanda, R. L51**
Nanopoulos, F. 670*
Narang, R. 247**, 402**, 587**
Narayanan, A.S. L15**
Narkates, A.J. 289**, 434**, L82**, L401**
Nasjleti, C.E. 708, 1237†, 1241†
Nathanson, D. 275**
Navarro, R. 164
Navia, J.M. 289**, 434**, L82**, L310**, L401**
Nawrot, C. 349B**
Naylor, M.N. L304**
Negishi, T. 32
Negroni, M. 635*
Nel, J.C. 687*
Nel, S.J. 687*
Nelms, D.C. 576**, 607**, L533**
Nelson, N.J. 497**
Nelson, R.L. 246**
Nelson, S.R. 692T
Nelson, S.W. 265
Neumann, H.F. 577**
Neumann-Jensen, B. L481**
Newbrun, E. 290, 482, 487, 112**, 263**, L72**, L74**
Newesely, H. 679*, L245**, L250**
Newman, H.N. L14**
Newman, J. 157**
Newman, M.G. 204**, 208**, 213**, 214**
Ng, S.K. 71**
Nga, N.K. L173**
Nice, G. 644*
Nicholls, J.I. 206
Nichols, C. 399**
Nicholson, C.R. 291**, 293**, 439**
Nickless, G. L106**
Nicol, B.R. L516**
Nihei, M. C106*
Nikias, M.K. 836, 166**
Niles, H.P. 351, 60**
Nilsson, U.R. 311**, 317**, L255**
Nisengard, R.J. 310**
Nishijima, K. C107*
Niswander, J.D. 324
Nitta, H. C101*
Nixon, G.S. L544**
Noble, H.W. 1087†, L11**
Noble, W.H. 164
Nodean, D.F. L539**
Nohara, H. C102*
Nolte, W.A. 500
Nomura, Y. C106*
Norbury, K.C. 105**
Nordquist, W.D. 1154
Norman, R.D. 1183
Norton, L.A. 914†
Notkins, A.L. 102**
Nuki, K. 202**, 211**, 610**, 614B**, L36**, L48**
Nustad, K. L202**
Nuuja, T. L309**
Nygaard, V.K. L228**
Nylen, M.U. L313**
Nyman, S. L8**, L458**

O

O'Brien, M. 644*
O'Brien, W.J. 262, 184**, 547**, L450**
Occhino, J.C. L503**, L504**
O'Connor, P. 384**
Oderkerk, C.H. L388**
Oesterle, L.J. 751
Ogura, H. C108*
Ohashi, K. C107*
Ohashi, M. C106*
Ohgushi, K. 1019
Ojanotko, A. 1239†
Okabe, T. 546**, L162**
Okada, H. C101*
Okada, M. C107*
O'Keefe, T.J. L152**
Oliet, S. 516**
Oliver, D.R. L297**
Oliver, R. L453**
Olsen, T. 393**, 536**, 539**
Olson, B.L. 68**, 232**, L344**
Olson, D.L. 616**
Olson, J.A. 576**, L533**
Olson, L.M. 1222
Olsson, J. L532**
O'Neill, P. 100**
Ono, T. C106*
Onoki, M. C107*
Ooshima, T. 140
Oppenheim, J.J. 315**
Orams, H.J. 646*, 646*, 651*, L61**
Orchardson, R. L568**
Organ, R. 84**, 92**, 93**
Orlowski, W.A. 227**, L24**
Ormerod, W. 214**
Orner, G. 81**, 581
Oron, M. C98*
Orstavik, D. L396**, L448**
Orstavik, J. L448**
Orstavik, T.B. L202**
Osanai, K. C104*
Osborn, J.C. B68

Osborn, J.W. L57**
Ostrofsky, M.K. 687*
Ostrom, C.A. 292**
Osugi, T. C101*
Otsuka, T. C103*
Otsuki, A. L347**
Otteskog, P. L29**, L281**
Ouellette, P.L. 844
Ouelplette, P.L. 844
Outhwaite, W.C. 693†, 445**, 447**
Overstreet, G.A. 48**, 376**, L284**, L552B**
Owen, D.G. 222**
Owen, G.M. 915†
Owen, W.D. L416**
Oyama, H. C104*
Ozaki, M. C103*, L370**

P

Pack, A.R. 649*
Paddon, J.M. 427†, L451**
Page, R.C. L15**
Pakman, L.M. 630**
Palcanis, K.G. 312**
Palenik, C.J. 186†, 906†
Palenstein Helderman, W.H., van L427**
Palmer, M.P. 903†, 1138
Palmieri, J. 636*
Pameijer, C.H. 22**, 460**, 510**, 555**, L333**
Panders, A.K. 674*
Pape, H.R., Jr. 336**
Park, K.C. 540, 68**, 69**, L344**
Parkins, F.M. 192†, 441**
Parodi, A.M. 633*
Parr, R.W. L496**
Parret, J. 674*, L263**
Pashley, D.H. 903†, 1138, 285**, 286**, 325**, 445**, 447**
Patel, J.R. 425**
Patel, P.R. 475, 728
Paterson, R.C. L468**
Path, M. L560**
Patry, Y. 257**
Patten, J. 286**, 492**
Patterson, C.M. 657*
Payne, T. 216**
Paz, M.A. 305**
Peach, R. 374**
Pearce, E.I. L386**
Pearlman, J. L299**
Pearson, C.H. L508**
Peckauskas, R.A. 1096†, 539**
Peindl, K. L217**
Pekary, A.D. B68
Pelletier, B.A. 156**
Pelleu, G.B., Jr. 362**
Peltzer, T. 564**
Penney, D. 393**
Penney, D.A. 982, 103**
Penney, D.P. L484**
Pentel, L. 561**
Penter, S. 117**
Pepe, S.H. 1124, L129**
Perec, C.J. 638*, 639**
Perez, B. 398**, 591**
Perlin, E. L512**
Perlmutter, S. 444, C98*
Peterson, D.E. 105**
Peterson, J. L338**
Peterson, L.J. L247**, L252**
Petrusnek, F. L284**
Petty, G.L. 634*
Peyrin, J.O. 674*
Pfeihofer, A.A. 402
Phakey, P.P. 651*
Phantumvanit, P. 292**, L307**
Phi, L.T. 759
Phillips, R.W. 1183
Phillips, S. 542**
Picarelli, A. 671*
Picozzi, A. 491**, 579**
Picton, D.C. L10**, L417**
Pihlstrom, B.L. 692T
Pilgrim, J. 18**
Pilskin, M.E. 104**
Pindborg, J.J. L481**
Pinkstaff, C.A. 501**
Piovano, S.H. 634*, 635*
Pitaru, S. 891, L364**
Plasschaert, A.J. 671*, L144**, L459**
Platt, D. 441, 631**, L294**, L403**
Platt, J.I. L509**
Plaut, A.C. 523**
Polhill, R.B. 527**
Pollack, S.R. 349A**, 544**
Pollard, S.T. L312**
Polonof, E. L41**
Polson, A.M. 76**, L22**
Poole, A.E. 564**
Poole, D.A. 564**
Poole, D.F. L220**
Poort, H.W. 671*
Poovaiah, B.P. L510**
Popovich, F. 33**
Popovici, A. 632*, 636*
Porte, J. L263**
Posner, A.S. B88, 130**, L316**
Posner, M.A. L562**
Pot, T. L144**
Potter, R.H. 28**
Pouezat, J.A. 676*, L438**
Poulsen, J.H. 500**
Poulsen, S. 160, L140**
Povar, M. 319**
Powell, J.M. 1183, 356**
Powell, K. L192**
Powers, J.M. 902†, 1133, 15**, 82**, 143**, L323**
Powers, L.J. 968, 972
Prahl-Andersen, B. 669*
Presman, J. 639*
Preston, C.B. 683*, 684*, 688*
Preston, J.D. 232
Price, A.M. 296**
Price, D.C. 401**
Prins, F.X. 691*
Pritchard, E.T. 609**
Proffit, W.R. 1161
Propas, D. 213**
Provenza, D.V. 999, 148**, 222**, 367**, 559**
Pruhs, R.J. 698†
Pruitt, K. 526**, 527**
Pruitt, K.M. 504, L404**
Pruzansky, S. L175**
Puengphob, R. 909†
Pullman, I. 1096†, 539**
Purdell-Lewis, D.J. 664*
Putts, M.S. 527

Q

Quarles, J. 1200
Quigley, M.B. 219**
Quinn, D. 331**
Quintana, R.P. 20, 25
Quirch, J.S. 635*, 635*, 636*, 636*, 636*

R

Rabadjija, L. 589**, 593**
Rabin, A.N. C110T, 517**, 589**, 593**
Rabinowitz, J.L. 295**, 451**, 496**
Rabkin, M.F. 276**, 279**
Rachinger, W.A. 651*
Radden, B.G. 655*
Radentz, W.H. 315**
Rahn, A.O. L514**
Rainieri, W.C. 351
Raisz, L.G. 588**
Rajmil, E.H. 636*
Ralph, J.P. 814, L194**
Ralph, W.J. 653*
Ram, C. L414**
Ramazzotto, L.J. L31**
Ramfjord, S.P. L18**
Ramirez, J.M. 74**
Ramp, W.K. 244**
Raney, M.J. 310
Ranney, R.R. 312**
Rao, G.S. 506**
Rapaka, R.S. L496**
Rapp, G.W. 921
Rapp, W.R. 508**
Rasmussen, E.G. L105**
Rasmussen, O.C. L377**
Rasmussen, R.H. L550**
Rasmussen, S.T. 137**, 461**
Rathbun, W. L453**
Ratliff, M. 84**, 92**, 93**
Rausch, E.O. 125**
Rawls, H.R. 136**, L416**
Rayner, J.F. 46**
Rayson, J.H. L514**
Reade, P.C. 646*, 653*
Reddy, J. 630**
Redeker, A.G. 531**
Reed, M.J. 406**, L505**
Rees, D.A. L341**
Reeve, C.M. 692T, L267**
Regezi, J.A. 1232†, 586**, 615**
Register, A.A. 80**
Reid, J.S. 1176, L211**
Reid, K.H. 759
Reisbick, M.H. 232, 284, 428†, 549**
Rekola, M. 1244†
Renson, C.E. L339**
Rennie, J.S. L490**, L491**, L492**
Retief, D.H. 689*, L545**
Retzlaff, A.E. 554**
Reussner, G.H. 365
Reynik, R.J. 114, 121
Ribaux, C.L. L70**, L77**
Rich, J.A. 185**
Richardson, E.R. 468**
Richet, C. 674*
Richmond, F. 257**
Rider, L. L270**
Rietschel, E.T. L214**
Rimoin, D.L. 473**, 475**
Rinchuse, D.J. 926
Rindom-Schiott, C. L474**
Ringsdorf, W.M., Jr. 184†
Ripa, L.S. 543**
Ripa, L.W. 293**
Risinger, R.J. 459**
Ritter, W. 664*
Riviere, G.R. L393**
Robert, K.Q. L416**
Roberts, G.D. 692T, 1039
Roberts, G.J. L190**
Roberts, M.L. 652*
Robertson, P.B. 415†, 500, 193**, 313**
Robins, M.W. L233**, L361**
Robinson, C. L231**, L540**
Robinson, E. 82**
Robinson, P. 1115, 89**, L130**
Robrish, S.A. 236**
Rodda, J.C. 654*
Rodriguez, M.S. 270**, 461**
Rodriguez, V.M. 624**
Roeber, F.W. 1243†

Roehm, E. 650*
Rogers, A.H. 650*
Rogers, R.S., III, 692T, 532**, L267**
Roghmann, K.J. 565**
Rogosa, M. 239**
Rölla, G. B57, 230**, L33**, L93**, L98**, L473**, L527**, L543**
Romeo, D. L51**
Ronner, H. L316**
Rönning, O. L124**
Rooney, L. L494**
Rootare, M.M. 143**
Rosa, A. 635*
Rosan, B. 522**
Rosen, H. L153**
Rosen, M. L351**
Rosen, S. 111**, 117**
Rosenberg, H.M. 487**
Rosenberg, J.J. 31**
Rosenbloom, J. 1115, L130**
Rosenmann, E. 609, L264**
Roser, S.M. 430**
Rosling, B. L458**
Ross, D. L405**
Ross, J.R. L276**
Ross, M.E. 390**
Rossiwall, B. 679*
Rossman, L.E. 1115, L130**
Rostoker, W. L251**
Rothman, K.J. L334**
Rothschild, L.R. 608**
Roukema, P.A. L388**
Roukema, R.A. 674*
Rovasio, R.A. 638*
Rowe, A. 465**
Rowe, A.H. L156**, L411**
Rowe, D.J. 416**
Rowe, N.H. L142**
Rowles, S.L. L435**
Rowley, P.S. L486**
Rubin, A.M. 439**
Rubin, P. 393**, L484**
Rubinstein, A.S. 553
Ruch, J.V. 663*
Rudecoff, B.M. 278**
Rugg-Gunn, A.J. L306**, L336**, L382**
Rugh, J.D. L563**
Ruhnke, L.A. L160**
Ruljancich, M.K. 653*
Rummery, T.E. 548**
Rundegren, J. L410**
Rundell, B.B. 191†
Russell, A.L. 915†
Russell, B. L456**
Russell, C. L109**, L215**, L478**
Russell, M.W. L398**
Rustogi, K. L21**
Rustogi, K.N. 583**
Ryge, G. 182**
Ryander, H. L275**, L282**
Rypel, T. L549**

S

Sabelli, C.A. 632*, 634*, 635*, 636*
Sabiston, C.B. 211**, 231**
Sabott, D.G. 551**
Sada, T. 402**
Sadowsky, P.L. 688*, 689*
Saffar, J.L. 676*, 677*, L317**, L318**
Sa Fleitas, M.J. 635*
Sagawa, H. C101*
Saito, C. 916†
Sakabu, S. 595**
Sakamoto, M. 592**
Sakamoto, S. 592**
Sakuda, M. C103*
Salk, D. L521**
Salkin, E.S. 326**
Salkin, L.M. 630**
Salls, T. 48**
Salter, D.J. 353**
Al-Samman, M. 698†
Sampson, W.J. 651*
Sanad, M.E. L329**
Sancho, O. 638*
Sands, S. L154**
Sandrik, J.L. 921
Sane, J.N. 215**
Sano, Y. C106*
Santoro, N. 635*
Sanyal, B. L215**
Saporta, S. 372**
Sarkar, N.K. 904†, 1031, 545**, L165**
Sarnat, B.G. 472**
Sarosiek, C. 555**
Sasaki, S. 250**
Sato, M. C102*
Sato, N. C102*
Sato, Y. C109*
Satoh, R. C108*
Sauer, B.W. L244**
Savitt, E.D. 208**, 213**
Sawyer, R.H. 35**
Saxe, S.R. L454**
Sayegh, F.S. 79**, 220**, 240**, 251**, 297**
Scaletta, L.J. L26**, L503**, L504**
Schaberg, S.J. L562**
Schachtele, C.F. 330, 433
Schaeffer, L.D. 49**, 574**, L206**
Schaid, K. 160**
Schamschula, R.G. 652*, 655*, 1094†
Schauer, S.V. 269**
Scheinin, A. L78**, L80**, L81**, L335**, L383**, L384**
Schenkman, M.H. 339**
Schick, H.J. L399**
Schimmele, R.G. 527
Schimpfhauser, F.T. 548
Schiødt, M. L480**
Schiott, R.C. 316**, 614B**
Schlenker, R. L35**
Schmidt, N.F. L381**
Schmutz, J.A. 498**
Schneider, L.C. 75**, 198**
Schneir, M. 1095†, 90**, 91**, 303**
Schnitman, P.A. 275**, 279**, 283**, 379**
Schoenfeld, C.M. L248**
Scholle, R.H. B68
Schonfeld, S.E. C72
Schonfeld, S.T. L135**
Schoonenberg, J.W. 471**
Schreer, S.B. 1098†
Schroeder, D.C. 802, L43**
Schroeder, H.E. 673*, L20**
Schroeder, L.W. 123**, 128**
Schulman, L. 283**
Schulz, P.D. 913†
Schuster, G.S. 131, 903†, 1009, 1138, 261**, 412**, L315**
Schuthof, J. 671*
Schutzbank, S.G. 907†
Schwabe, C. 371
Schwartzman, R.M. 513**, 514**
Sciubba, J.J. 301**
Scopp, I.W. 94**, 95**
Scott, D.B. C6, L228**
Scott, J.D. 694†
Scott, P.G. L432**
Seaborn, R.D. 844
Searls, J.C. 174
Seeliger, J.E. 689*
Segal, A. L564**
Segreto, V.A. 172**
Seibel, W. 367**
Seibert, J. 295**
Seibert, J.S. 203**
Seibert, W. B198, L138**
Sela, J. 110, 609, C98*, L264**
Sela, M. 110
Selipsky, H. L260**
Selting, W.J. 505**
Seluk, L.W. 262
Seng, G.E. L476**
Seng, G.F. L476**
Senning, R.S. 290**
Serwatka, L.M. 482**
Sessle, B.J. B201, L36**
Setterstrom, J.A. 56**
Sewerin, I. L499**
Shabat, E. 426†
Shaeffer, J. 584**
Shafer, S. 159**
Shah, R.M. L49**
Shalla, C.L. 512**
Shannon, I.L. 911†, 1213, B8, 50**, 98**, 578**
Shapiro, B.L. L45**
Shapiro, I.M. 245**
Shapiro, L. 110**
Shapiro, S. 166**
Sharawy, M.M. 1138, 492**
Sharma, B. L158**
Sharma, M.L. 482, 263**, L74**
Sharma, P.S. 253**
Shaver, R.L. 206
Shaw, J.H. 358, 423†, 346**
Sheiham, A. 159**
Sheik-ol-eslam, A. L371**
Shellis, R.P. L368**
Shepherd, M.G. 657*
Shepherd, N.S. 427**
Shern, R.J. 290**
Shibata, H. C101*
Shillitoe, E.J. L266**
Shimabayashi, S. L538**
Shimizu, K. 197**
Shimizu, M. C103*
Shimizu, N. C109*
Shimokawa, H. 250**
Shimokobe, H. L446**
Shinpo, R. C107*
Ship, I.I. L414**
Shipman, C., Jr. L302**
Shiroma, E. 419†
Shklair, I.L. 333**, 515**, 525**, L409**
Shklar, G. 283**, 319**
Shkurkin, G.V. 402
Shochman, G.D. L67**
Shoshan, S. C99*
Shulgin, A. L72**
Sibley, L.M. 66**
Siegal, D.E. L512**
Siegel, I.A. 206, 407**, 509**, 569**, 570**
Siegfried, J. 511**
Silbermann, M. L37**, L117**, L118**, L119**
Siler, W.M. 43**
Silva, D.M. L160**
Silver, J.G. 234**
Silverman, M.S. 829, C110T, 526**, 528**
Silverman, S. 226**, 617**
Silversin, J.B. 159**
Silverstein, S.J. 407, 607**
Simard-Savoie, S. 978, 478**
Simkin, A. C98*
Simmelink, J.W. 419**, L228**
Simmons, T.A. 192**
Simonson, L.G. 857, 61**
Simpson, J.L. L208**
Simpson, J.W. 190†, 313**
Sim, F.R. 646*, 647*
Simes, R.J. 631*, 632*
Sims, M.R. 643*

Sims, R. L301**
Sims, W. 737
Singh, B.B. 255**, 324**, 325**
Singh, C. 1046
Singh, I.J. 561**
Sipe, J. 596**
Sirianni, J.E. 414†, 695†, L189**
Sivertson, J.F. L18**
Sjöblom, M. L463**
Skapski, H. L256**, L501**
Skaug, N. L272**
Skinner, H.C. 122**
Skobe, Z. 228**, L529**
Shougaard, M.R. L25**, L136**, L280**
Slade, H.D. 524**
Slavkin, H.C. 30**, 249**, 369**, L55**, L56**, L59**
Sledge, C.B. 571**
Sloss, R.J. 395**
Slots, J. L219**
Slutsky, A. 204**
Smales, F.C. L4**
Smales, R.J. 648*
Smando, R. 306**
Smiley, G. C110T, 154**, 474**
Smillie, A.C. 657*
Smith, A.E. 338**
Smith, A.W. 218**, 322**
Smith, B.G. L552**
Smith, D.C. B146, L159**
Smith, D.J. 53**, L274**, L394**
Smith, F.N. 55**, 318**
Smith, H.Z. C110T, 474**
Smith, J.H. 471
Smith, K.A. 258**, L560**
Smith, L.W. 226**, 617**
Smith, M. 411**
Smith, M.M. L120**
Smith, O.A. 458
Smith, R.G. L487**
Smith, R.J. 1027, 502A**
Smith, R.L. 143**
Smith, S.H. L302**
Smith, T.J. 82**
Smith, W.N. 352**
Smudski, J.W. 926
Snyder, C.W. 1046
Snyder, M.B. L424**
Soames, J.V. L418**
Sobel, S. 393**
Soboroff, M.D. 1234†
Socransky, S.S. 113**, 118**, 206**, 208**, 209**, 213**, 236**, 625**, L217**
Sodek, J. 308**
Söder, P.O. L29**, L281**
Sognnaes, R.F. B106
Sohn, R. 149**
Solberg, W.K. 432**, L563**
Solis-Gaffar, M.C. 351, 60**
Sollecito, W.A. 166**
Soloman, G.C. 240**
Solow, B. L179**
Soloway, B. 215**
Somaglia, L. 635*
Somasundaran, P. 542**
Somers, P.J. 906†
Somes, G.W. L516**
Son, Y. 418†, 1100†
Soni, N.N. 181**, 538**, L125**
Sonju, T. L93**
Sonobe, T. 449**
Soott, A. 689*
Sorgente, N. 87**, L123**
Sotiriou, B. 666*
Southam, J.C. L483**
Spain, K.M. 1069
Spanauf, A.J. L167**
Spångberg, L. B158
Spanner, O. L520**
Sparmann, C.D. L299**
Spaulding, T.R. 505**
Specht, P.A. L293**
Spector, M. L110**, L244**
Speirs, R.L. L196**
Spencer, J. 15**
Spinell, D. 228**
Spinelli, M. L242**
Spiro, E. L227**
Spitzer, D. 665*
Spolsky, V.W. 601**
Sprecher, R.L. 395**
Sproat, R. 407
Sproles, A.C. 49**
Squire, C.A. L494**
Sreebny, L.M. 495**, L96**
Srinivasan, B.N. 271**, L537**
Staat, R.A. 881
Staat, R.H. 872
Stabholz, A. C96*
Stacey, A. L424**
Stack, M.V. L106**
Stackhouse, J.A. L330**
Stahl, S.S. 95**
Staiman, R. 635*
Stallard, R.E. 110**, 296**, 302**, 343**, 460**, 510**, L351**
Standlee, J.P. L194**, L518**
Staple, P.H. 406**
Starcke, E.N. 578**
Staz, J. 691*
Stazen, P.J. 189**
Stearns, R.I. 454**
Steen, S.D. 138**
Stefano, F.J. 639*
Steffek, A.J. 479**
Steinberg, A.D. L421**
Steiner, J. L564**
Steinman, R.R. 419†, 567, 570, 578
Stenderup, A. L327**
Stephen, K.W. L89**, L348**
Stephens, O.R. 66**
Stepnick, R.J. 905†, 606**
Stern, I.B. L282B**, 507**
Stern, N. 212
Stern, S.P. 910†
Stetten, D.W., Jr. C37
Stevens, R.H. 264**
Stevenson, R.V. 647*
Stewart, E.B. B198
Stewart, R.E. 473**, 475**
Stiles, H.M. 191†, 537**
Stirparo, M.A. 640*, 640*, 641*
Stivala, S.S. 290
Stoddard, E.L. 402
Stokes, J.C. 415†
Stoltze, K. L520**, L521**, L522**, L523**
Stookey, G.K. 53, 187†
Straffon, L.H. 334**
Strauss, R.P. C110T
Strauss, S. 173**
Strauss, W.F. 508**
Stringer, G. 287**, 288**
Struntz, V. L245**
Sturman, I.M. 264**
Sturtridge, W.C. B78
Sturzenberger, O.P. 931
Suckling, G. 658*
Suda, T. C108*
Suddick, R.P. B8, 98**
Sudo, S.Z. 716
Suemori, T. C108*
Suga, S. L359**
Sugai, S. L269**
Sugawara, N. 197**
Sullivan, P.G. L193**
Summers, F.W. L251**
Sumney, D. 441, 631**, L262**
Sundqvist, G. L412**
Sundström, B. B114, L39**
Suomi, J.D. 1092†
Superstine, J. 420†, 697†, 366**
Suppipat, N. L258**
Sutton, R.N. L183**
Sutow, E.J. 544**
Svare, C.W. 1235†, L467**
Sveen, K. L213**
Sveen, O.B. 692T, L86**
Swallow, J.N. L292**
Swartz, W.H. L322**
Swedlow, D.B. 577**, L184**
Sweeney, E.A. 613**
Sweeney, L. L45**
Swindler, D.R. 414†, 695†, L189**
Szabo, E.I. 625**
Szabo, G. L46**
Syed, S.A. 108**, 109**, 237**
Szymanski, K. 475**

T

Tabak, L. 264**
Tabibi, A. L155**
Taboada, J. 172**
Tagger, E. C97*, C98*
Tagger, M. 444, C97*, C98*
Taichman, N.S. 311**, 317**, L255**
Takahashi, T. C102*
Takamori, K. L216**
Takashima, Y. 125
Takeuchi, M. L347**
Takezawa, J. 1082
Takiguchi, H. 32, 418†, 1100†
Takuma, S. L430**
Tal, M. 897, C98*
Talal, N. 529**, L269**
Talari, A. L363**, L463**
Tallgren, A. L179**, L373**, L471**
Tamarin, A. 458
Tan, H.H. L285**
Tanabe, T. C103*
Tanaka, H. 174**
Tanaka, T. 418†
Tandler, B. 500**
Tani, Y. C106*
Tang, R.Y. 692T, 1039
Tang, T.E. 440**
Tannenbaum, P.J. 130**
Tanzer, J.M. L66**
Tanzer, M. L238**
Tarbet, W.J. L381**
Tarpley, T.M. 390**
Tarro, G. L266**
Tashiro, T. L38**
Tassin, M.T. 667*
Tate, G.W. 647*
Tatevossian, A. B34, L259**
Taubman, M.A. 53**, L274**, L394**
Taubman, S.B. 314**, L502**
Tayler, R.L. 519**, 520**
Taylor, P.P. 186**
Taylor, R.E. 85**, 86**, 88**, 568**
Telser, A. L232**
Tempel, T.R. 471
Ten Bosch, J.J. 665*
Tenovuo, J. L384**
Terasaki, P.I. 424†
Terkla, L.G. 553**
Terleckj, B. L67**
Termine, J.D. L103**, L313**
Terry, B.C. L562**
Teyssandier, L. 635*
Thayer, H.H. 168**
Thé, S.D. 1064
Theilade, J. 230**, L88**
Theunissen, B.A. L285**
Thexton, A.J. L375**, L378**
Thiebold, J. 663*
Thiessen, R., Jr. 365
Thomas, C.J. 682*, 686*

Thomas, M. L431**
Thompson, G.W. 33**
Thompson, J.L. L302**
Thompson, V.B. L489**
Thorn, H.L. 692T
Thornburg, L.P. C110T, 370**, 373**
Thott, E. L86**
Thueson, C.M. 186**
Thulin, A. L203**
Thylstrup, A. L360**
Tiainen, L. L463**
Till, M.J. 692T
Tinanoff, N. 436**
Tobe, Y. 32
Tocci, A.A. 637*
Tochimura, Y. C106*
Toller, P.A. 689*
Tomazic, B.B. L230**
Tomer, B. 470**, L440**
Toms, P.K. L97**
Tomson, M. 350**, L230**
Tönder, K.H. L561**
Tonna, E.A. L420**
Tonnellier, P. 673*, L390**
Tonzetich, J. 71**
Topazian, R.G. L247**, L252**
Toto, P.D. 553
Touloumis, C. 257**
Toverud, S.U. 244**
Trabert, K.C. 227
Trapagnier, C.M. 67**
Trapp, L.D. 164, 401**
Tranter, T.C. L349**
Traurig, H. 328**
Trautner, K. L68**
Trieger, N. 472**
Triller, M. 672*, 675*, 676*, L437**
Triplett, R.G. L562**
Tripp, M.R. 258**
Troelstrup, B. L178**
Troest, T. L471**
Tronstad, L. 152
Trott, J.R. 650*
Trummel, C.L. 588**
Tryde, G. L519**, L520**, L521**, L522**, L523**, L524**
Tsai, C.C. 311**, 317**, L255**
Tsaknis, P.G. 503**
Tsao, D.H. 909†
Tsuha, M. C108*
Tsunemitsu, A. 188†, 417†, 808, C105*
Tumilasci, O.R. 639*
Turcot, L. 635*
Turesky, S.S. 215**, 629**
Turkstra, J. L545**
Turley, P.K. 8**
Turnbull, R.S. 308**
Turner, D.T. 1233†, C110T, 23**, 132**
Tuyau, J.E. 737
Tuyn, D.A. L285**
Twelftree, C.C. 645*
Tyler, J.E. L220**
Tyler, M.S. 145**
Tynelius-Bratthall, G. L274**
Tzamouranis, A. 678*
Tzamouranis, N. 678*

U

Ubios, A.M. 633*
Uchello, E.N. L550**
Ueha, T. C105*, C109*
Ueki, K. C107*
Ukei, S. C107*
Ukraincik, K. L184**
Ulmansky, M. 110, 378, 609
Umemoto, T. C101*
Urago, A. C108*, L121**, L379**, L380**
Urist, M.R. 248**, L434**
Utsumi, N. C109*

V

Valcke, C.F. 690*
Valeri, C.R. L562**
Valluzzo, P. 47**
Van Baelen, A. 42**
Van Der Hoeven, J.S. 660*
Vandermer, J.D. 616**
Van Der Merwe, E.H. 682*
van Dijk, J.W. 665*
Van Eysden, J. 218, 553**
Van Grunsven, M.F. 662*
Van Leeuwen, M. 223**
van Mullem, P.J. 663*
Van Palenstein Helderman, W.H. 666*
van Reenen, J.F. 690*
Van Rensburg, B.G. 690*
Van Rensburg, L.B. 686*, 686*
Van't Hof, M.A. 1064
Van Wyk, C.W. 682*, 683*, 686*, 686*, 690*, 691*, 691*
Vargervik, K. L440**
Vatine, D. 663*
Veis, A. L432**
Veld, J.H. L69**
Velley, J. 662*
Venham, L. 45**, 488**
Vermillion, J.R. L454**
Verrusio, A.C. L44**
Vidgren, H. 1239†
Viklands, P. L19**
Vincent, G.R. 14**
Vincentelli, R. L321-A**
Vinkka, H. L42**
Viohl, J. L442**
Vitti, M. 844
Voegel, J.C. 676*, L429**
Vogan, I. 1095†
Vogan, W.I. 298**
Vogel, J.J. 416†, 352**
Volchansky, A. 691*
Volinsky, J. 259**, 597**
Volker, J.F. 668*
von Fraunhofer, J.A. 41, L346**
Vos, A.L.de L515**
Voss, L. L44**
Voss, R. L249**, L253**
Vrijhoef, M.M. 679*, L167**, L168**

W

Wada, K. C103*
Wadhwa, P. 253**
Waite, I.M. L5**
Wald, F.V. 424
Waliszewski, K.J. 178**
Walker, B.E. 1200, 149**, L50**
Walker, D.M. L470**
Walker, P.O. 692T
Walker, R. 901†
Walker, S. L484**
Walker, S.J. 699†, 764
Wallace, M.J., Jr. 1056
Walter, R. 623**
Walton, R.E. 445**
Wang, Y. C109*
Wanson, J.C. 672*
Ward, M.E. 59**
Ward, W.A. 48**, L552B**
Warnakulasuriya, K.A. L490**, L491**, L492**
Warner, A.M. 215**
Warner, T.N. 906†, 115**
Warner, V.D. 215**, 629**
Warnock, G.R. 512**
Washburn, F. L407**
Washizuka, K. C101*
Watanabe, T. 808, L209**
Waterhouse, J.P. 426**, L237**
Waterman, R.E. 153**
Waters, N.E. 665*, L224**
Waterson, J.G. 656*, B63
Watson, E.L. 569**
Watts, A. L468**
Watts, T.L. L462**
Wawerka, C. 72**
Wawrousek, H. 350**
Weatherell, J.A. L231**, L540**
Weatherford, T.W. 329B**
Weatherred, J.G. 285**
Webber, R.L. 422**
Weber, D.F. 436**, 452**
Wefel, J.S. 201, 1234†, 440**, L539**
Wei, S.H. 201, 1154, 1234†, 440**, 441**, L539**
Weidenhofer, R.N. 654*
Weikel, G. 549**
Weill, R. L185**, L229**, L437**
Weill, R. 667*, 673*, 675*, 676*
Weinberg, S. 424†
Weinfeld, N. B94
Weinreb, M.M. 891, L364**
Weinstein, A.M. 281**, L247**
Weintraub, J. 565**
Weisenberg, M. 164**
Weisinger, E.W. 75**, L21**
Weiss, M.B. L251**
Weissman, I.L. L269**
Weitman, R.T. L337**
Welch, M. 404**, 558**
Wells, H. B87, 65**
Wergedal, J.E. 596**
Werther, P. L564**
Wescott, W.B. 578**
West, B. 571**
West, T.L. 424†
Westergren, G. L295**
Westerman, G.H. 767
Westreich, V. 426†, 496
Wheeler, R.C. 83**
Wheelock, D. L234**
White, E. 531**
White, R.R. 205**, 207**
White, S.C. 193†, 421**
White, W.D. 448**
Whitehead, E. L99**
Whitehurst, V.E. 181**
Whitford, G.M. 285**, 286**, 287**, 288**
Whittaker, D.K. L279**
Whopperer, P. L407**
Wicken, A.J. 626**, 627**
Wictorin, L. L449**
Wilcox, W.B. 501**
Wilgram, G.F. 194**
Williams, B. L346**
Williams, B.D. L395**
Williams, D.M. L498**
Williams, R.A. L48**
Williamson, L. L338**
Williamson, P.J. 103**
Willigen, J.D., van L515**
Willoughby, S.G. L493**
Wills, D.J. L417**
Wilson, A.D. 427†, 1173, 1238†, L447**, L451**
Wilson, R.F. L84**, L85**
Wilton, J.M. L501**
Windeler, S. 584**, 623**
Winer, R.A. 62
Wing, G. 647*
Winkler, S. 909†
Winter, F. 399**
Winter, G.B. L147**, L346**
Winter, P.J. L149**
Wisotzky, J. 251, L254**

Wittemann, J.K. 548
Woda, A. 661*, 668*
Woeltgens, J.H. 677*
Wohllebe, M. L433**, L508**
Wolf, C.R. 471
Wolf, R.O. 390**
Wolfson, S. 1234†
Wolters, J.M. 663*
Woo, M.W. 432**
Wood, F.T. C86, L131**
Wood, N.K. 1069
Woodbury, L.A. 242**
Woodhead, C. L192**
Woods, A. L408**
Woods, K.A. 151**
Woods, R.G. 650*
Woody, R.D. 363**, 618**
Woodyard, S.G. L476**
Woolfolk, M.P. 335**
Wortel, J.P. 621**
Wotman, S. B27, 52**
Wotzke, M.F. 645*
Wray, D. L197**
Wright, G.Z. 190**
Wright, J.C. 444**
Wright, K. 665*
Wronski, T.J. 241**
Wu, M.S. L538**
Wuehrmann, A.H. 425**
Wullschlager, G. L253**
Wycoff, S. 607**
Wyde, P. 100**
Wynn, R.L. 403**, 404**

Y

Yaeger, J.A. 783, L238**
Yamada, G. C106*
Yamada, S. C105*, L325**
Yamada, T. C102*, L296**
Yamagami, A. 125, 394
Yamami, T. C105*
Yaman, P. 277**
Yamauchi, K. C107*
Yanagisawa, T. L430**
Yankell, S.L. 507**, 508**, 513**, 514**, 603**
Yankelson, M. L278**
Yavelow, J. 1095†, 90**
Yen, P.K. 358, 423†, 346**
Yilmaz, R.S. L186**, L362**
Ylitalo, K. L335**
Yokota, S. L379**, L380**
Yoon, H.S. 121**
Yoshimoto, S. C104*
Yoshimura, Y. C103*
Younis, O. 1133, 141**
Young, F.A. 273**, 321**
Young, K.C. L348**
Young, R.A. 125**, 126**
Young, R.I. 16**
Young, S.K. 55**
Yu, H. 1095†, 90**
Yu, J.H. 65**
Yu, P.L. 28**
Yu, R. L450**
Yule, A.J. 650*

Z

Zager, N. 214**
Zahn, L.M. L299**
Zahradnik, R.T. 438**, L225**
Zajicek, G. 891, L364**
Zaki, A.E. 262**, 382**
Zaki, H.A. 881
Zaki, H.S. 274**
Zander, H.A. 76**, L22**
Zarb, G.A. 173**
Zarbo, R. 1049
Zebrowski, E.J. 396**, 502B**
Zeichner, S. 375**
Zengo, A. B27
Ziebert, G.J. 179**
Zielke, D.R. L469**
Zietsman, S.T. 691*
Zimmerman, E.F. 146**
Zimmerman, E.L. 136**
Zimmerman, M. 291**, 439**
Zimmermann, E. L301**
Zimny, M.L. 558**
Zinner, D.D. 290**, 340**, 581**, L340**
Zito, J. 381**
Zuckerman, M. 350**
Zukerman, L.S. 111**
Zullo, T. L513**
Zweighaft, T. C110T
Zwisler, O. L399**
Zybert, J.J. 651*

INDEX TO VOLUME 54

Subject Index

* Abstract.
** Abstract number, printed in *Program and Abstracts of papers* (*Journal of Dental Research*, Special Issue A, February, 1975).
† Annotation.
T Read by title.

ABSORPTION
Solubility and absorption of cements. Moser, J.B.; et al. 280
ACETIC ACIDS
Salt and acetic acid extraction of collagen. Schneir, M.; et al. 1095†
N-ACETYLLACTOSAMINE SYNTHETASE
Galactosyltransferase in parotid saliva. Nakamura, R.; et al. 808
ACHONDROPLASIA
Growth centers in achondroplasia. Stewart, R.E., and Rimoin, D.L. 473**
Mandible in achondroplasia. Stewart, R.; et al. 475**
ACID PHOSPHATASE
Irradiated epithelium. Itoiz, M.E.; et al. 633*
Mouse trigeminal ganglion neurons. Thornburg, L.P., and Honker, J.S. 370**
Oral mucosal wounds. Andersen, L., and Fejerskov, O. L506**
Tissue sections. Frasch, A.C.; et al. 638*
ACIDS
Acid etching for pit and fissure sealant. Marshall, G.W.; et al. 1222†
Etching agents and enamel. Pilgrim, J. 18**
ACRIDINES
Solvents and acridine orange. Regezi, J.A. 586**
Solvents & penetration of acridine. Regezi, J.A. 1232†
ACROMEGALY
New bone formation. Sela, J. C98*
ACRYLATES
Matrix strength of acrylics. Kusy, R.P., and Turner, D.T. 1233†
ACRYLIC ACIDS
Gelatin of polyacrylic acid solutions. Crisp, S.; et al. 1175
Titration of polyacrylic acid. Crisp, S.; et al. 1238†
ACRYLIC RESINS
Acrylic polymers. Lytwyn, B.J.; et al. 132**
Cross-linked networks. Kusy, R.P.; et al. C110T
Self-curing acrylic resins. Mahan, J.R.; et al. 23**
ACTINOMYCES
A viscosus and A naeslundii. Fillery, E.D.; et al. L218**
A viscosus and dextran. McBride, B.C. L345**
A viscosus and lymphocytes. Baker, J.J.; et al. 530**
A viscosus plasmids. Hammond, B.F.; et al. L217**
Actinomyces classification. Lai, C.-H.; et al. 233**
Actionmyces levan hydrolase. Warner, T.N., and Miller, C.H. 115**
Actynomycetin and epidermis. de Rey, B.M. 632*
Complement system and A viscosus. Nilsson, U.R.; et al. 311**
Hydrolyzing activity. Bakdash, M.B. 692T
Interbacterial aggregation. Ellen, R.P., and Gesing, I.B. L534**
Leukotactic factor. Okada, H.; et al. C101*
Levan formation by A viscosus. Miller, C.H.; et al. 906†
Periodontal disease in rats. Garant, P. L27**
Selective medium. Beighton, D., and Colman, G. 653*
ACTINOMYCIN
Gingival cells. Demcisak, B.A.; et al. 631**
ACTINOMYCOSIS
Extracellular invertase activity from A viscosus. Palenik, C.J., and Miller, C.H. 186†
ACUPUNCTURE
Acupuncture and headache. Borglum Jensen, L.; et al. L471**
ADENOIDS
Adenoids and mandible. Koski, K., and Lähdemäki L180**
ADENOSINE TRIPHOSPHATASE
Alkaline phosphatase and ATPase in bone. Me H.H. 260**
Ca^{2+}-ATPase in rat submandibular glands. Furuy S.; et al. 32
ADENYL CYCLASE
Gastrin and adenylyl cyclase. MacPhee, G.B.; e L197**
ADHESIVENESS
Adhesive and sealing properties of gallium alloy. Si C., and Fusayama, T. 916†
Orthodontic direct-bonding adhesive systems. Bish S.E.; et al. 751
Ultrasonic cement removal & band adhesion. Sh R.L.; et al. 206
ADOLESCENT PSYCHOLOGY
Dentist's vs adolescents' ratings. Brunswick, A.F., Nikias, M. 836
ADRENAL CORTEX HORMONES
^3H corticoids in A/Jax mouse tissues. Spain, L et al. 1069
Pulp healing. Mjör, I.A., and Lervik, T. L171**
ADRENALECTOMY
Cell proliferation. Mantell, P.A., and Robins, M L361**
ADSORPTION
Streptococcus metabolism. Berry, C.W., and He C.A. 229**
AEROSOLS
Viral agents and aerosols. Sims, R.; et al. L301**
AGE FACTORS
Age and enamel fluoride. Aasenden, R. 540**
Face height and age. Nasjleti, C.E., and Kow C.J. 1241†
AGING
Aging and extraction wound healing. Amler, M 78**
Aging and mouse periodontium. Schneider, L.C al. 75**
AIR POLLUTION
Airborne hydrocolloids. Woody, R.D.; et al. 365**
Beryllium in air. Hinman, R.W.; et al. 362**
ALBUMINS
Affinity chromatography. Meechan, J.G., and Be J.A. L90**
ALDOSTERONE
Salivary Na and aldosterone in hypertension. Wo S., and Baer, L. 52**
ALEXIDINE
Alexidine, plaque and gingivitis. Weatherford, T III; et al. 329B**
ALGINATES
Syneresis. Miller, M.W. L328**
ALKALINE PHOSPHATASE
Alkaline phosphatase and ATPase in bone. M H.H 260**
APase & Na^+-APase in submandibular gland. So et al. 1100†
Developing rat teeth. Hammarstrom, L.E.; e L357**
ALLIED DENTAL PERSONNEL
Dentist's performance measures. Wallace, M.J., et al. 1056
ALLOXAN DIABETES
Diabetes in rat glands. de Aramburo, B.M.; e 639*
ALLOYS
Nonprecious type III alloy. Caputo, A.A., and M bick, M.H. 428†
ALPHA, ALPHA-DIPYRIDYL
Effect of dipyridyl on tooth germs. Hetem, S.; e 783

ALUMINUM
Al, F and caries. Navia, J.M., and Hunt, C.E. L310**
ALVEOLAR PROCESS
Age related changes. Liu, C.-C.; et al. 596**
Alveolar bone remodeling. Markostamou, K., and Baron, R. L319**
Bone density. Pack, A.R. 649*
Bone loss. Polson, A.M.; et al. L22**
Bone remodeling. Baron, R.: et al. L318**
Cyclic AMP in alveolar bone. Eckerdal, O.; et al. L114**
Drift of teeth. Moss, J.P., and Picton, D. L10**
Ilium vs rib in grafting. Roser, S.M.; et al. 430**
Na F. Mauger, G., and Baron, R. 675*
Occlusal overload. Mailland, M. and Baron, R. L6**
Osteocyte in alveolar bone. Porte, J.; et al. L263**
PTX, PTH, TCT, NaF and bone. Duflot-Vignery, A.; et al. L317**
Blood supply
Mandibular collateral circulation. Castelli, W.A.; et al. 708
Injuries
Adaptation of bone to injury. Polson, A.M.; et al. 76**
AMELOBLASTOMA
Survey. Seeliger, J.E. 689*
AMELOBLASTS
Ameloblasts during enamel mineralization. Benyon, A.D. L62**
Histology of tooth fissures. Galil, K.A., and Gwinnett, A.J. 960
Polarization. Karcher-Djuricic, V.; et al. 663*
Tetracycline and ultrastructure. Kruger, B.J. 822
Tetracycline-HCl and ameloblasts. Simmelink, J.W. 419**
Tomes' process. Kallenbach, E. L63**
AMELOGENESIS
Amelogenesis phenotype. Guenther, H.L.; et al. 249**
^{45}Ca in amelogenesis. Frank, R.M., and Nagai, N. 675*
AMERICAN ASSOCIATION FOR DENTAL RESEARCH
Addenda C67
Committee reports C48
Council meeting C43
Keynote address C37
Opening address C35
Proceedings C33
Sectional titles of papers presented:
Minnesota Section 692
North Carolina Section C110
AMINES
Organic amine plaque inhibition. Bass, G.E.; et al. 968
Organic diamine inhibition of S mutans. Bass, G.E.; et al. 972
Polymerizable amines as curing promoters. Dnebosky, J.; et al. 772
S mutans and alkylamines. Warner, V.D.; et al. 215**
AMINO ACIDS
ATP levels. Cole, J.S., III, and Longton, R.W. L465**
Amino acid in parotid gland. Johnson, D.A.; et al. 495**
Enamel matrix protein. Patterson, C.M., and Kruger, B.J. 657*
Free amino acid pools of cariogenic streptococci. Krzeminski, Z. 183†
Sympathetic nerve. Ueha, T., and Mita, N. C105*
AMINOPROPIONITRILE
BAPN, acid hydrolases and oro-facial structures. Kauffman, F.C., and Delbalso, A.M. 150**
Physiology of rat incisor. Michaeli, Y.; et al. 891
AMMONIA
Fatty acids, NHs and hela cells. Howden, G.F. L17**
AMMONIA COMPOUNDS
Effect on plaque. Ciancio, S.G.; et al. 585**
AMYLASE
Amylase in guinea pig salivary glands. Smith, R.J., and Frommer, J. 1027
Concentration in saliva. Ferguson, M.M. L1**
GK-101, NaOCl and salivary amylase. Cushner, S.C.; et al. 63**
Oral stimuli and amylase secretion. Hodgson, C., and Speirs, R.L. L196**
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
ANALGESIA
Brain stem mechanisms. Sessle, B.J., and Greenwood, L.F. B201
ANALGESICS
Pulpal response to analgesics. Bolden, T.E.; et al. B198
ANDRENERGIC ALPHA RECEPTOR AGONISTS
Salivary composition. Mandel, I.D. B27
ANEMIA, SICKLE CELL
Orofacial manifestations in sickle cell anemia. Biederman, P.D. 26**
ANESTHESIA, DENTAL
Potency comparison of local anesthetic. Simard-Savoie, S. 978
ANESTHESIA, INTRAVENOUS
Pharmacokinetic model. Wynn, R.L.; et al. 403**
ANESTHETICS, LOCAL
Cartridge storage. Belavich, J.E.; et al. L413**
Heart rate. Germishuys, P.J. 685*
Local anesthetics and blood flow. Trapp, L. D.; et al. 401**
Reaction to local anesthetics. Aldrete, J.A.; et al. 402**
Reactions. Barnard, D.P. 681*
Vasoconstrictor activity. Waterson, J.G., and Gerke, D.C. 656*
ANIONS
Salivary protein. Mandel, I.D., and Concool, B. L94**
ANKYLOSIS
Dental ankylosis in pigs. Yilmaz, R.S. L186**
ANODONTIA
Hypodontia: a polygenic trait. Chosack, A.; et al. 16
Partial anodontia. Nakata, M.; et al. C108*
Premolar reduction in monkey. Hylander, W.L., and Kay, R.F. 1242†
ANOXIA
Hypoxia and epiphyseal plates. Han, S.S.; et al. L116**
ANTHROPOLOGY, PHYSICAL
Caries in prehistoric skeletons. Metress, J.F., and Conway, T. 908†
Enamel hypoplasia in prehistoric Indians. Schulz, P.D., and McHenry, H.M. 913†
ANTHROPOMETRY
Molar size sequence in the Peruvian Indian. Goaz, P.W. 1091†
ANTIBIOTICS
Flora sensitivity. Mitsis, F.; et al. 678*
Macaca. Bowen, W.H., and Colman, G. L525**
ANTIBODIES
Salivary antibodies. Molinari, J.A.; et al. L294**
Specificity of antibodies. Ebersole, J.L.; et al. L403**
ANTIBODIES, BACTERIAL
Oral implant. Emmings, F.G.; et al. L400**
Spectrophometric assay. Iacono, V.J.; et al. L394**
ANTIBODY PRODUCING CELLS
Current research on oral fluids. Shannon, I.L., and Suddick, R.P. B8
ANTIFIBRINOLYTIC AGENTS
Wound healing. Bergenholtz, A.; et al. L482**
ANTIGENS
Serum antibodies. Ahlstedt, S.; et al. L275**
Topical antigen and gingiva. Palcanis, K.G., and Ranney, R.R. 312**
ANTIGENS, BACTERIAL
T or B lymphocyte blastogenesis. Chan, S.P.; et al. 107**
ANTI-INFECTIVE AGENTS, LOCAL
Antiseptics, enamel conditioning and plaque. Katz, S.; et al. 68**
Plaque inhibition by antiseptics. Katz, S.; et al. 69**
ANTI-INFLAMMATORY AGENTS
Movements during palatal development. Walker, B.E., and Quarles, J. 1200
ANTISEPTICS see ANTI-INFECTIVE AGENTS, LOCAL
AORTA
Proteinase inhibitors. Sorgente, N. 87**
APATITES
Apatite and osteodentin. Takuma, S.; et al. L430**
Apatite crystallites. Harper, R.A., and Hamill, D.L. L222**
Apatite fluoride. Caslovska, V.; et al. 541**

Apatite from calcium phosphates. Kaufman, H.W., and Kleinberg, I. 124**
Apatite spectra. Fowler, B.O. 129**
Atomic details of apatites. Mackie, P.E., and Young, R.A. 126**
Bone mineralization analogue. Posner, A.S.; et al. B88
Dielectric properties of chlorapatite. Rausch, E.O., and Young, R.A. 125**
ESR of apatites. Peckauskas, R.A., and Pullman, I. 539**
Fluoride pretreatment. Phillips, S.; et al. 542**
Formation inhibition. Termine, J.D., and Conn, K.M. L103**
Nitrate radicals in apatites. Peckauskas, R.A., and Pullman, I. 1096†
Tetracycline and apatite. Nylen, M.U., and Termine, J.D. L313**
Unit cell parameters. Voegel, J.C.; et al. 676*

APES
Anterior tooth attrition in apes. Lavelle, C. L. 700†

ARTERIES
Arteriosclerosis & diabetic vasculature. Keene, J.J., Jr. 77

ARTERIOSCLEROSIS
Arteriosclerosis & diabetic vasculature. Keene, J.J., Jr. 77

ARTHUS PHENOMENON
Anti-inflammatory activity of eugenol. Dewhirst, F.E., and Goodson, J.M. 405**

ASCORBIC ACID
Ascorbic acid and collagen. Alfano, M.C.; et al. L428**
Microdetermination of ascorbic acid. Harris, R.; et al. 64**
Analysis
Lingual ascorbic acid test. Inouye, L.; et al. 1180

ASPARTAME see under DIPEPTIDES

ASPIRIN
Apernyl & bradykininlike substance in pulp. Kudo, T.; et al. 1082

ATTITUDE OF HEALTH PERSONNEL
Attitude of specialty students. Barbanell, R.L., and Schnitman, P.A. 379**
Attitudes to EDAs. Keith, C.L., and Milgrom, P.M. 377**

ATTITUDE TO HEALTH
Patient attitudes in experimental delivery system. McDaniel, S.P.; et al. 43**
Public opinion on dental care in National Health Plan. Rayner, J.F. 46**
Sociocultural influences. Strauss, R.P. C110T

AUSTRALIA
Tongue-lip pressures in aborigines. Proffitt, W.R.; et al. 1161

AUTOANTIBODIES
Autoantibodies and tooth proteins. Schonfeld, S.E. L135**

AUTOANTIGENS
Alloimmune response. Schonfeld, S.E. C72

AUTORADIOGRAPHY
Autoradiography of epithelium. Singh, B.B.; et al. 324**
Bone mineralization in lathyrism. Goren, A.D.; et al. 561**
^{45}Ca in amelogenesis. Frank, R.M., and Nagai, N. 675*
^{45}Ca in dentinogenesis. Nagai, N., and Frank, R.M. 675*
Radioautographic study of high speed. Searls, J.C. 174

AVITAMINOSIS
Avitaminosis A in rats. Nichols, C.; et al. 399**

BABOONS
Permanent dentition. Tagger, E.; et al. C97*

BACTERIA
B matruchatii calcification. Vogel, J.J., and Smith, W.N. 352**
Bacteria and sonic plaque dispersion. Robrish, S.A.; et al. 236**
Bacteria from plaque. Crowe, J.P.; et al. 235**
Bacterial lipopolysaccharides. Sveen, K., and Hofstad, T. L213**
Bacteriology of plaque in gingivitis. Syed, S.A.; et al. 109**
Catalase and bacteria. Rabin, A.N.; et al. 517**
Cavity cleaner, bacteria and pulp. Eriksen, H.M. 329A**
Complement, leukocytes and bacteria. Tsai, C.C.; et al. 317**
Endodontically treated teeth. Binnie, W.H., and Rowe, A.H. L411**
Extracellular lipoteichoic acid. Knox, K.W.; et al. 626**
Fatty acids in lipopolysaccharides. Rietschel, E.T.; et al. L214**
Fusiforms from peridontosis. Savitt, E.D.; et al. 208*
Gantrisin and pocket microbiota. Newman, M.G.; et al. 214**
Gingival crevice. Palenstein Helderman, W.H., van 666*
Healing extraction wound. McMillan, M.D. 655*
Host specificities of bacteria. Gibbons, R.J.; et al. 228**
IgA protease. Genco, R.J.; et al. 523**
Immunological defense. Gaumer, H.R. 692T
Localization of bacteria on the tongue. Brady, J.M. et al. 777
Microbial aggregation. Pruitt, K.M., and Ericson, T. L404**
Microbiota of periodontitis. Crawford, A.; et al. 209*
Non-vital teeth. Sundqvist, G., and Carlsson, J. L412**
Nucleating ability. Ooi, S.W.; et al. 657*
Oral microbiology data bank. Krichevsky, M.I.; et al. 239**
Periodontal dressing. Thorn, H.L., and Pihlstrom, B.L. 692T
Plaque and saliva. Larmas, M.; et al. L80**
Plaque bacteria. Holt, S.C.; et al. L208**
Pocket anaerobes. Ribaux, C.L., and Chavrier, C.A. L77**
Pocket anaerobes and β-glucuronidase. Chavier, C.A. and Ribaux, C.L. L70**
Pocket depths. Coogan, M.M. 683*
Radiation therapy. Anglin, I. E.; et al. C110T
Sealant, bacteria, caries. Handelman, S.L.; et al. L407**
Spirillum-like organisms. Takamori, K.; et al. L21
Subgingival bacteria and immunoglobulins. Nisengard, R.J., and Jarrett, C. 310**
Sugar alcohols and oral bacteria. Narkates, A.J.; et al. L82**
Sugars and plaque microbiology. Gehring, F.; et al. L81**
Tooth colonization of bacteria. Grigsby, W.R., and Sabiston, C.B. 231**
Viable filamentous bacteria in plaque. McCabe, R.M. et al. 195†
Water in dental units. Thé, S.D., and Van't Hof, M.A. 1064

BACTERIOCINS
Bacteriocin antagonism. Kolstad, R.A. L415**
Bacteriocins of S mutans. Hamada, S., and Ooshima, T. 140
S mutans bacteriocin. Delisle, A.L. 337**, L76**
S mutans bacteriocins. Morhart, R.E.; et al. 339**

BACTERIOLOGICAL TECHNICS
Plaque bacteria. Slots, J. L219**
Typing S mutans. Smith, A.E., and Kolstad, R.A. 338**

BACTERIOLYSIS
Inhibition of caries. Osugi, T.; et al. C101*

BACTERIONEMA
Magnesium & B matruchotii calcification. Killian, W.F., and Ennever, J. 185†

BACTERIOPHAGES
S phages in oral cavity. Fukushima, H.; et al. C101

BACTEROIDES
Black pigment. Reid, J.S., and Beeley, J.A. L211**
DNA in bacteroides. Damle, S.P., and Syed, S.A. 237**

BARBITURATES
Blood pressure. Akiyama, R.; et al. C106*

BASEMENT MEMBRANE
Effect of dipyridyl on tooth germs. Hetem, S.; et al. 783

BEHAVIOR MODIFICATION
Filmed modeling to aid behavior. Melamed, B.G.; et al. 797
BEHCET'S SYNDROME
Aphthous stomatitis and Behcet's disease. Hooks, J.J.; et al. 102**
BENZETHONIUM CHLORIDE
Antiplaque effects. Gaffar, A.; et al. 583**
BENZODIAZEPINES
Lidocaine antagonism of benzodiazepines. McFarland, S.A.; et al. 404**
BENZOFLAVONE
7, 8 Benzoflavone and tumorigenesis. Burns, R.A.; et al. 70**
BERYLLIUM
Beryllium in air. Hinman, R.W., et al. 362**
BEVERAGES
Beverages, erosion and molar fluoride. Shabat, E.; et al. 426†
Fluorides. Enno, A. 655*
Phosphated acid drinks & tooth erosion. Reussner, G.H.; et al. 365
BIOELECTRIC ENERGY SOURCES
Method for bioelectric regeneration of bone. Kopczyk, R.A.; et al. 914†
BIOLOGY, ORAL
Oral biology. Zaki, A.E., and Dooley, R.J. 382**
BIOMATERIALS
Biomaterials in dentistry. Smith, D.C. B146
Dental implants. Hulbert, S.F., and Bennett, J.T. B153
Evaluation of endosseous implants. Langeland, K., and Spångberg, L. B158
Response to titanium implants. Lemons, J.E. B166
BIOPSY
Enamel. Wei, S.H.; et al. L539**
Enamel Biopsy procedures. Mellberg, J.R.; et al. 439**
BLOOD CELLS
Proteases in cells. Ishikawa, I.; et al. L426**
BLOOD CHEMICAL ANALYSIS
Lingual ascorbic acid test. Inouye, L.; et al. 1180
BLOOD FLOW VELOCITY
Blood flow measurements. Meyer, M.W.; et al. 258**
Gingivitis. Nuki, K., and Hock, J. 610**
Local anesthetics and blood flow. Trapp, L.D.; et al. 401**
Reaction to local anesthetics. Aldrete, J.A.; et al. 402**
Sympathomimetic amines. Gangarosa, L.P., and Larson, S.G. L30**
BLOOD GROUPS
Oral carcinomas. Dabelsteen, E. L536**
BLOOD PRESSURE
Barbiturates. Akiyama, R.; et al. C106*
BLOOD SUGAR
Dry socket and dysglycemia. Ringsdorf, W.M., Jr., and Cheraskin, E. 184†
BLOOD VOLUME DETERMINATION
Blood volume changes in gingivae. Goldberg, H.J.; et al. 259**
BODY HEIGHT
Stature and tooth number in trisomy G. Falcetti, J.P.; et al. 34**
Tooth and body size in Macaca. Swindler, D.R., and Sirianni, J.E. 695†
BODY WEIGHT
Weight, socioeconomics and maturity. Anderson, D.L.; et al. 33**
BONDING, DENTAL
Adhesive penetration in white spots. Davila, J.M.; et al. 999
Alloy-porcelain bond strength. DeSimon, L.B.; et al. 459**
Bonding denture resins. Koblitz, F.F.; et al. 138**
Composites and enamel. Sadowsky, P.L., and Retief, D.H. 688*
F and resin-enamel bonding. Kochavi, D.; et al. C98*
Fracture studies of adhesion. Rasmussen, S.T. 137**
Malposed partially erupted teeth. Sadowsky, P.L., and Retief, D.H. 689*
Orthodontic direct-bonding adhesive systems. Bishara, S.E.; et al. 751
Orthodontic direct bonding materials. Khowassah, M.A.; et al. 146
Porcelain fused to metal. Anusavice, K.J.; et al. 457**
Porcelain to metal bond test. Hamerink, H.A.; et al. 456**
Pretreatment of enamel. Adipranoto, S.; et al. L354**
Repaired fractured incisor. Brose, J.; et al. L355**
SEM of bond in composite restorations. Liatukas, E.L., and Young, R.I. 16**
Tooth fracture, UV bonding and pulp. Greeley, C.B., et al. 222**
Ultrasonic cement removal & band adhesion. Shaver, R.L.; et al. 206
BONE AND BONES
Aging parodontal bone. Tonna, E.A. L420**
CPIB and lipid synthesis. Dirksen, T.R. L315**
Ca-phospholipid in bone. Boskey, A.L.; et al. L316**
^{45}Ca uptake in calcified tissue. Yen, P.K., and Shaw, J.H. 346**
CO_2, O_2 and respiratory activity. Korayem, M.R., and Goldhaber, P. L321B**
Cell kinetics in bone grafts. Chase, D.C.; et al. 328**
Cells in bone healing. Cooper, L., Sr.; et al. 327**
Compact bone analysis. Bang, S., and Baud, C.A. L111**
Fiber reinforced modelling. Swedlow, D.B.; et al. L184**
Osteoclast changes in endotoxin-treated bones. Rowe, D.J., and Hausmann, E. 415**
PTE isoproterenol, DBcAMP and bone. Mills, B.G. 415**
Proteolytic enzymes. Mikulski, A.J.; et al. L434**
Solubility. Brown, W.E. L108**
Vitamin A deficiency. Brown, P.L., and Hayes, K.C. 413**
Analysis
Lead in calcifying tissues. Claman, L.; et al. 535**
Cytology
PTH, CT and bone cell cyclic AMP. Yu, J.H.; et al. 65**
Transplantation
Bone grafts in mandible. Canzona, J.E.; et al. 429**
BONE DEVELOPMENT
Bone and bone cell lipid synthesis. Schuster, G.S.; et al. 131
Bone lipid synthesis. Dirksen, T.R.; et al. 1009
Bone mineralization analogue. Posner, A.S.; et al. B88
Bone remodeling in periodontal lesions. Ramirez, J.M., and Hurt, W.C. 74**
Ca†† in mitochondria. Shapiro, I.M., and Lee, N.H. 245**
DCTC, serum, bones & dentin. Yen, P.K., and Shaw, J.H. 358
Electrochemical changes and bone growth. Klapper, L., and Stallard, R.E. 343**
Minocycline and calcifying tissues. Yen, P.K., and Shaw, J.H. 423†
Morphometric study. Bang, S., and Baud, C.A. 673*
New bone formation. Sela, J. C98*
SEM, TEM of bone formation in ceramic. Brady, J.M., and Cutright, D.E. 344**
BONE DISEASES
Bone diseases. Snyder, M.B.; et al. L424**
BONE MARROW
Marrow, root implants. Morris, M.L. 300**
Response to titanium implants. Lemons, J.E. B166
BONE MARROW CELLS
Iliac crest. Stabholz, A.; et al. C96*
Potential of frozen marrow culture cells. Nelson, S.W. 265
BONE MATRIX
Response of embryonic tissue. Austin, J.C. 681*
BONE REGENERATION
Method for bioelectric regeneration of bone. Kopczyk, R.A.; et al. 914†
Resorbable ceramic implants. Mors, W.A., and Kaminski, E.J. 282**
BONE RESORPTION
Endotoxin & lipoteichoic acid on bone. Hausmann, E.; et al. B94
F and bone resorption. Ikeda, K.; et al. L115**

Histological classification. Urago, A., L121**
Immunization and bone loss. Crawford, J.M.; et al. L274**
Osteoclast activating factor. Trummel, C.L. 588**
Parathyroid hormone or prostaglandins. Sakamoto, S.; et al. 592**
Patho-histology. Urago, A.; et al. C108*
Pharmacology of bone. Sturtridge, W.C. B78
Phospholipase A. Rabadjija, L., and Goldhaber, P. 589**
Prostaglandin. Gomes, B., and Hausmann, E. 590**
tl rat. Cotton, W.R.; et al. L187**
Theophylline and caffeine. Goldhaber, P., and Rabadjija, L. 593**
Thiophene compounds. Lloyd, W.; et al. B87
Tritiated glucosamine. Kimmel, D.B.; et al. 241**

BORON
Effects of boron and fluoride on caries. Liu, F.T. 97

BRADYKININ
Apernyl & bradykininlike substance in pulp. Kudo, T.; et al. 1082
Pulpal blood flow. Tönder, K.H. L561**

BRAIN STEM
Brain stem mechanisms. Sessle, B.J., and Greenwood, L.F. B201

BRUXISM
Biofeedback. Kardachi, B., and Clarke, N.G. 654*
Bruxist behavior. Rugh, J.D., and Solberg, W.K. L563**
Control. Heller, R.F. L128**
Evaluation of bruxism control. Heller, R.F., and Forgione, A.G. 1120

CADMIUM
Cytotoxicity of cadmium and mercury. Kawahara, H.; et al. 125

CALCIFICATION
Lipid-dependent calcification. Vogel, J.J., and Ennever, J. 416†
Magnesium & B matruchotii calcification. Killian, W.F., and Ennever, J. 185†

CALCITONIN
Calcitonin and bone cell non-histones. Bustos, S.E. 261**
PTH, CT and bone cell cyclic AMP. Yu, J.H.; et al. 65**
Pharmacology of bone. Sturtridge, W.C. B78
Thyro-calcitonin and alveolar bone. Kaleka, R.; et al. 677**
Thyrocalcitonin in hamsters. El-Kafrawy, A.H., and Mitchell, D.F. 212**

CALCIUM
Ca and P to amalgam. Chapple, C.C., and Wing, G. 647*
Ca efflux and microsomes. Watson, E.L., and Siegel, I.A. 569**
Ca/P of dentin. Wright, J.C., and Foreman, D.W. 444**
Effects of sugar intake on plaque Ca & P. Ashley, F.P. 1015
Salivary phosphoprotein. Bennick, A., and Leung, T. L91**

CALCIUM FLUORIDE
Solubility of fluorapatite. 2, Hagen, A.R. 384

CALCIUM HYDROXIDE
Indirect pulp capping. Baratieri, A.; et al. 678*

CALCIUM ISOTOPES
Ca 45 and SEM of acid etch. Dogon, I.L., and Henry, P. 19**
^{45}Ca in amelogenesis. Frank, R.M., and Nagai, N. 675*
^{45}Ca in dentinogenesis. Nagai, N., and Frank, R.M. 675*
^{45}*Ca* uptake in calcified tissue. Yen, P.K., and Shaw, J.H. 346**
Fluoride and ^{45}Ca in teeth. Barry, S.C., and Stiles, H.M. 537**
Microleakage. Ferreira, M.R. 684*

CALCIUM PHOSPHATES
Apatite from calcium phosphates. Kaufman, H.W., and Kleinberg, I. 124**
Apical closure with tricalcium phosphate. Koenigs, J.; et al. 320**
Bone mineralization analogue. Posner, A.S.; et al. B88
$Ca_5(PO_4)_3OH$. Schroeder, L.W., and Dickens, B. 123**
CaO-P_2O_5-H_2O-CO_2. Skinner, H.C. 122**
Calcium phosphate crystal growth. Barone, J., and Nancollas, G.H. 131**
DCPD formation in topical F treatments. Chow, L.C., and Brown, W.E. 65
DCPD stabilization by plaque. Grøn, P., and Hay, D.I. 268**
DCPD stabilizing factors in saliva. Hay, D.I., and Grøn, P. 267**
Interaction with apatite. Eanes, E.D. L102**
Phosphated acid drinks & tooth erosion. Reussner, G.H.; et al. 365
Precipitation inhibition. Hay, D.I., and Grøn, P. L92**
Resorbable ceramic implants. Driskell, T.D.; et al. L246**
Resorbable ceramic implants. Mors, W.A., and Kaminski, E.J. 282**
Structure and morphology. Spector, M. L110**

CALCIUM RADIOISOTOPES
UV resin system and marginal leakage. Hembree, J.H., and Andrews, J.T. 20**

CALIFORNIA
Enamel hypoplasia in prehistoric Indians. Schulz, P.D., and McHenry, H.M. 913†

CANADA
Canadian Inuit caries experience 1969-1973. Mayhall, J.T. 1245†

CANDIDA
Candida and tongue. Jones, J.H., and Russell, C. L478**
Candida in lupus. Schiødt, M. L480**
Candidosis in pregnancy. Adams, D.; et al. L13**
Infection in elderly. Budtz-Jørgensen, E.; et al. L327**
Rat mucosa. Howlett, J.A., and Bowden, G.H. L479**

CANDIDA ALBICANS
Xylitol and C albicans. Mäkinen, K.K.; et al. 1239†

CANINE
Genetic morphogenesis in mice. Bernard, J. 664*

CANNABIS
Marijuana and oral epithelium. Warnock, G.R., and Shalla, C.L. 512**

CAPILLARIES
Permeability of capillaries. McKinney, R.V.; et al. 325**

CARBAMAZEPINE
Brain stem mechanisms. Sessle, B.J., and Greenwood, L.F. B201
Carbamazepine in cats. Greenwood, L.F., and Sessle, B.J. L36**

CARBOHYDRATES
Carbohydrates in pellicles. Mayhall, C.W. 572**
Plaque amino acid. Hayes, M.L., and Holman, M.R. L298**

CARBON
Strength of vitreous carbon. Draughn, R.A., and Young, F.A. 273**

CARBOXYLIC ACIDS
Carboxylic acids, sucrose & enamel dissolution. McDonald, J.L., Jr., and Stookey, G.K. 187†

CARCINOGENS
N-methylnitrosourea. Edwards, M.B. L497**

CARCINOMA
Herpes antigens. Shillitoe, E.J.; et al. L266**
Radiation resistant. Penney, D.P.; et al. L484**
White lesions and carcinoma. Keszler, A., and Cabrini, R.L. 640*

CARCINOMA, ADENOID CYSTIC see CARCINOMA, BASAL CELL

CARCINOMA, BASAL CELL
Elastic tissue. Adkins, K.F. 657*

CARCINOMA, EPIDERMOID
LMC of oral cancer. Brown, A.M.; et al. 104**

CARCINOMA, SQUAMOUS CELL see CARCINOMA, EPIDERMOID

CARIOSTATIC AGENTS
Cariostatic pastes. Bolderson, I.; et al. L305**
Effects of boron and fluoride on caries. Liu, F.T. 97

CARTILAGE
Chondrocytes and peptide. West, B., and Sledge, C.B. 571**
Cranial base. Roberts, G.J., and Blackwood, H.J. L190**
Endocytosis and ossification. Smith, M.M., and Hayward, A.F. L120**
Growth cartilages. Beresford, W.A. 417**
Proteinase inhibitors. Sorgente, N. 87**
Rabbit nasal septal cartilage. Faermark, W. 254**
Steroid and cartilage fibrillation. Silbermann, M. L119**
Vascularization inhibition. Sorgente, N. L123**
CAT
Tooth impedance. Phi, L.T., and Reid, K.H. 759
CATALASE
Root canal bacteria. Rabin, A.; et al. C110T
CATHEPSIN
Cathepsin D from bovine uterus & pulp. Schwabe, C. 371
Inflamed gingival tissues. Jotterand, H.; et al. L23**
CATIONS
Salivary protein. Mandel, I.D., and Concool, B. L94**
CELL CULTURES
Bone and bone cell lipid synthesis. Schuster, G.S.; et al. 131
PTH, CT and bone cell cyclic AMP. Yu, J.H.; et al. 65**
Periodontal ligament cell cultures. Brunette, D.M.; et al. 306**
Pulp cell differentiation. Cramer, J.F.; et al. 225**
CELL DIFFERENTIATION
Cathepsin D from bovine uterus & pulp. Schwabe, C. 371
CELLS
Cell kinetics in bone grafts. Chase, D.C.; et al. 328**
Cells in bone healing. Cooper, L., Sr.; et al. 327**
Cellular response to amalgam. Kawahara, H.; et al. 394
Cytotoxicity of cadmium and mercury. Kawahara, H.; et al. 125
Isoproterenol and cell cycle. Harrington, D.B., and Klein, R.M. 414**
SEM of cells on bio-materials. Elgeneidy, A.K.; et al. 510**
CELLS, CULTURED
Secondary cultures. Sim, F.R. 647*
CENTRIC RELATION
Biofeedback in centric relation trials. Appleberry, E.A.; et al. 176**
CENTRIFUGATION
Automated centrifuge for pour resins. Winkler, S.; et al. 909†
CEPHALOMETRY
Craniofacial characteristics. Nga, N.K. L173**
Craniofacial differences between "normal" and Class II III sibs. Harris, J.E., and Kowalski, C.J. 27**
Down's syndrome. Kreiborg, S. L177**
Monkey hypothyroidism. Preston, C.B., and Dreyer, C.J. 688*
Orthodontic patients. Nel, S.J. 687*
Papio ursinus. Evans, W.G., and Preston, C.B. 684*
SNA and SNB angles in Nubian children. Walker, S.J.; et al. 764
CERAMICS
Vitreous ceramic. Strunz, V.; et al. L245**
CHEEK
Buccal exfoliative cytology. Presman, J.; et al. 639*
CHEEK NEOPLASMS
7, 8 Benzoflavone and tumorigenesis. Burns, R.A.; et al. 70**
CHEWING GUN
Plaque growth. Tiainen, L.; et al. L463**
Xylitol and plaque. Mouton, C.; et al. L78**
CHICK EMBRYO
Egg tooth. Thiebold, J.; et al. 663*
CHILD BEHAVIOR
Child response to visits. Venham, L.L.; et al. 488**
Filmed modeling to aid behavior. Melamed, B.G.; et al. 797
Parent and child behaviors. Decker, D. 489**
Parent's presence and child response. Venham, L.; et al. 45**
CHILD DEVELOPMENT
Weight, socioeconomics and maturity. Anderson, D.L.; et al. 33**
CHIN
Prominence of chin point in malocclusion. Baumrind, S., and Miller, D.M. 9**
CHLORHEXIDINE
Anaerobic glycolysis of yeast. Jensen, J.E., and Christensen, F. L528**
Chlorhexidine and gingivectomy. Langebaek, J., and Bay L. L457**
Chlorhexidine and microflora. Rindom-Schiott, C., et al. L474**
Chlorhexidine and oxidative enzymes. Nuki, K.; et al. L35**
Chlorhexidine and partial dentures. Bassiouny, M.A., and Grant, A.A. L460**
Chlorhexidine in humans. Löe, H.; et al. 316**
Chlorhexidine interaction with monolayers. Fisher, R.G., and Quintana, R.P. 25
Chlorhexidine toothpaste. Emilson, C.G., and Fornell, J. L526**
Drug dynamics & oral soft tissues. Gjermo, P. B44
Morphological changes in streptococci. Pakman, L.M.; et al. 630**
Penetration in guinea pigs. Haugen, E., and Johansen, J.R. L34**
Plaque inhitibition. Bonesvoll, P.; et al. L473**
Plaque inhibition by chlorhexidine. Rölla, G., and Melsen, B. B57
Release in mouth. Rolla, G., and Kaae, O. L33**
Surface-chemical studies on chlorhexidine. Fisher, R.G.; et al. 20
Toothbrushing and epilepsy. Russell, B., and Bay, L. L456**
CHLORINE
Cl in exudate. Courts, F.J.; et al. C110T
CHLORTETRACYCLINE
Tetracycline luminescence in teeth and bones. Hoerman, K.C. B131
CHOLINE
Choline deficiency and lipids. Alam, S.Q., and Alam, B.S. 397**
CHROMATOGRAPHY
Free fatty acids in saliva. Ward, M.E.; et al. 59**
Instrumental evaluation of mouth odor. Solis-Gaffar, M.C.; et al. 351
Salivary albumin. Meechan, J.G., and Beeley, J.A. L90**
CHROMIUM-COBALT ALLOYS
Casting variables. Paddon, J.M.; et al. L451**
CIRCADIAN RHYTHM
Circadian rhythm in protein secretion. Abe, K., and Dawes, C. L198**
Fasting and parotid saliva protein. Dawes, C. L200**
Time zone transitions. Ferguson, D.B.; et al. L199**
CITRATES
Citric acid cycle enzymes in gingiva. Bergquist, J.; et al. 92**
CLEFT LIP
Craniofacial morphology. Horowitz, S.L.; et al. L42**
Dental anomalies and clefts. Schroeder, D.C., and Green, L.J. 802
Diphenylhydantoin and clefts. Hetzel, S., and Brown, K.S. 155**
CLEFT PALATE
Anomalies in twins. Schroeder, D.C., and Green, L.J. L43**
Cleft Palate with pyridine nucleotides. Chamberlain, J.G. 413†
Craniofacial morphology. Horowitz, S.L.; et al. L42**
Cytoplasmic factor. Benson, P.; et al. L44**
DPH-induced cleft palate. Walker, B.E. L50**
Diphenyldantoin and clefts. Hetzel, S., and Brown, K.S. 155**
Dental anomalies and clefts. Schroeder, D.C., and Green, L.J. 802
Epithelial degeneration. Morgan, P.R. L52**
Genetic etiology. Bonner, J.J. L126**

^{3}H corticoids in A/Jax mouse tissues. Spain, K.M.; et al. 1069
Hydrocortisone cleft palate. Shah, R.M. L49**
Over dentures. Dennis, C.G. 643*
Racial variation. Erickson, J.D. L174**
Chemically induced
Resistance of CD mice fetuses to teratogenic effects of cortisone. Loevy, H.T. 25**
TAC and craniofacial malformations in monkeys. Hendrickx, A.G.; et al. 35**
CLEIDOCRANIAL DYSOSTOSIS
Cementum. Hitchin, A.D. L548**
CLOSTRIDIOPEPTIDASE A
Collagenase and collagens. Rodriguez, M.S. 270**
Lymphocytes and collagenase. Robertson, P.B.; et al. 313**
COCA
Mouth mucosa. Borghelli, R.F.; et al. 640*
Mucosal lesions. Barros, R.E.; et al. 641*
Mucosal lesions. Borghelli, R.F.; et al. 640*
COLCHICINE
Odontoblasts and ameloblasts. Karcher-Djuricic, V.; et al. 663*
COLD
Histology of tissues. Soott, A. 689*
COLLAGEN
Anti-human collagen antiserum. Catchpole, H.R., and Engel, M.B. 252**
Ascorbic acid and collagen. Alfano, M.C.; et al. L428**
Bovine collagens. Furuto, D., and Schneir, M. 91**
Bovine dentine collagen. Scott, P.G., and Veis, A. L432**
Bovine periodontal ligament and cementum collagen. Butler, W.T.; et al. 88**
Collagen and osteogenesis. Turnbull, R.S.; et al. 308**
Collagen in dentin. Korostoff, E.; et al. 349A**
Collagen in gingiva. Takahashi, T.; et al. C102*
Collagen in ligament. Hoerman, K.C. L4[illegible]**
Collagen on hydroxyapatite. Nawrot, C., and Campbell, D.J. 349B**
Collagen secretion by tooth epithelium. Slavkin, H.C. 30**
Collagen xenografts. DeVore, D.T. L271**
Collagenase and collagens. Rodriguez, M.S. 270**
Dentin matrix collagen. Wohllebe, M., and Carmichael, D.J. L433**
Effect of dipyridyl on tooth germs. Hetem, S.; et al. 783
Epithelial cells in calcified collagen matrices. Everett, M.M., and Miller, W.A. 243**
Fiber orientation. Vincentelli, R. L321A**
Fibril and ion interactions. Li, S.T., and Katz, E.P. L112**
Human cementum collagen. Christner, P.J., and Robinson, P.J. 89**
"Insoluble" collagen in rat soft oral tissues. Schneir, M.; et al. 90**
Periodontal ligament. Rossman, L.; et al. L130**
Periodontal ligament collagen synthesis. Rossman, L.E.; et al. 1115
Plaque accumulation. Jensen, S.H.; et al. L15**
Salt and acetic acid extraction of collagen. Schneir, M.; et al. 1095†
Skeletal teratogenesis. Bhatnagar, R.S.; et al. L496**
Skin and periodontal ligament. Skougaard, M.R., and Carsten, A.L. L25**
Tooth tissue on collagen. Koch, W.E. 368**
COLLAGENASE
Collagenase activation by proteases. Birkedal-Hansen, H.; et al. 86**
Palatal epithelium and mesenchyme. DePaola, D.P. L53**
Parathyroid hormone or prostaglandins. Sakamoto, S.; et al. 592**
Procollagenase from bovine gingiva. Birkedal-Hansen, H.; et al. 85**
COLOR
Appraisal of gingival color. Powers, J.M.; et al. 82**
COMMUNICATION
Communication during treatment. Kwasman, R.; et al. 383**
Two-way communication. Bertrand, F.R. L195**
COMPLEMENT
Complement in periodontal patients. Courts, F.J.; et al. 528**
Complement, leukocytes and bacteria. Tsai, C.C.; et al. 317**
Complement system and A viscosus. Nilsson, U.R.; et al. 311**
Human saliva. Challacombe, S.J.; et al. L395**
Saliva-complement interactions. Boackle, R.J. 526**
Saliva-complement reactions. Pruitt, K.M., and Polhill, R.B. 527**
Subgingival bacteria and immunoglobulins. Nisengard, R.J., and Jarrett, C. 310**
COMPOSITE RESINS
Abrasion resistance. Hussey, M.; et al. L151**
Bases in composite restorations. Farah, J.W.; et al. 15**
Class IV resin restorations. Hanson, E.C.; et al. 24**
Composite resin evaluation. Moffa, J.P., and Jenkins, W.A. 13**
Composite resin fracture restorations. Draughn, R.A. 17**
Composite resin microstructure. Joris, L.; et al. 14**
Composite tooth replacement. Gratton, D.R.; et al. 277**
Composites, Asmussen, E. L443**
Cyanoacrylate and composites. Beech, D.R., and Kurer, H.G. L356**
Force systems from appliances. Koenig, H.A., and Burstone, C.J. 358**
PAA-alumina composite implant. Greenberg, A.R., and Kamel, I.L. 272**
Pulp protection and composite resins. Van Leeuwen, M.; et al. 223**
Plaque accumulation. Weitman, R.T., and Eames, W.B. L337**
Polishing stone for composites. Pameijer, C.H. 22**
Polymerizable amines as curing promoters. Dneboský, J.; et al. 772
Pretreatment of enamel. Adipranoto, S.; et al. L354**
Pulpal effects. Goto, G.; et al. L350**
Restorations. Smales, R.J. 648*
Rheology. Braden, M. L445**
SEM of bond in composite restorations. Liatukas, E.L., and Young, R.I. 16**
Tissue response to implant. Shklar, G. 319**
UV activated compounds and pulp. Heys, D.R.; et al. 218**
Wear response of resin, amalgam, & enamel. Powell, J.M.; et al. 1183
COMPUTERS, DIGITAL
Computer-facilitated nutritional analysis. Goodson, J.M.; et al. 407
Computerized analysis of articulators. Beck, D.B., and Knap, F.J. 175**
Computerized electromyography. Brown, G.S.; et al. 177**
Computerized evaluation of clinic operation. Leverett, D.H.; et al. 39**
Computerized tooth model. Hood, J.A.; et al. 644*
Stresses in amalgam restorations. Farah, J.W.; et al. 10
Third molar space. Turley, P.K., and Charconas, S.J. 8**
CONDUCTOMETRY
Assessment of microleakage. Jacobsen, P.H., and Von Fraunhofer, J.A. 41
CONNECTIVE TISSUE
^{3}H-proline in oral tissues. Kameyama, Y. L241**
Palatal connective tissue grafts. Botero, A.; et al. 302**
Tissue response to implant. Shklar, G. 319**
CONTRACEPTIVES
Rat gingiva. Gammal, E.B., and Galil, K.A. 598**
COOKING UTENSILS
Cooking vessels and fluoride. Full, C.A., and Parkins, F.M. 192†
COOPERATIVE BEHAVIOR
Dentist's performance measures. Wallace, M.J., Jr.; et al. 1056
CORROSION
Amalgam. Stevenson. R.V., and Wing, G. 647*

Amalgam implants. Ellender, G. 648*
Corrosion of amalgam. Marek, M.; et al. 546**
Corrosion products of dental amalgam. Sarkar, N.K.; et al. 1031
Crevice corrosion. Marek, M., and Hochman, R.F. L166**
O_2 and Cl in amalgam corrosion. Sarkar, N.K.; et al. 545**
Oxygen in amalgam corrosion products. Marshall, G.W.; et al. 904†
Saliva and corrosion of alloys. Meyer, J.M., and Nally, J.N. 678*
CORTISONE
Mg deficiency, cortisone and incisor. Kiely, M.L., and Salkin, E.S. 326**
Resistance of CD mice fetuses to teratogenic effects of cortisone. Loevy, H.T. 25**
CRANIAL NERVES
SEM of neural crest migration. Steffek, A.J.; et al. 479**
CROWNS
Distribution of stresses in crowns. Farah, J.W., and Craig, R.G. 255
CRYOGENIC SURGERY
Oral mucosa. Radden, B.G.; et al. 655*
Repeat freeze technics. Whittaker, D.K. L279**
CULTURE MEDIA
Actinomyces. Beighton, D., and Colman, G. 653*
Inhibition of gram-negative rods. Stiles, H.M., and Rundell, B.B. 191†
Plaque bacteria. Slots, J. L219**
CURRICULUM
Expanded duty curriculum. Brody, H.A. 378**
CUSHING'S SYNDROME
Sensation in Cushing's syndrome. Catalanotto, F.A. 36**
CYANOACRYLATES
Cyanoacrylate and composites. Beech, D.R., and Kurer, H.G. L356**
CYCLIC AMP
Cyclic AMP in alveolar bone. Eckerdal, O.; et al. L114**
Cyclic AMP in pulp. Grower, M.F.; et al. 216**
Cyclic AMP in salivary glands. Schaeffer, L.D., and Krakowski, A. 574**
Cyclic AMP in tooth eruption. Leever, D.; et al. 560**
Cyclic AMP in tooth movement. Davidovitch, Z.; et al. 11**
Diabetes and gingival fluid. Grower, M.F.; et al. 594**
Glucose tolerance tests, cyclic AMP and salivary glucose. Sproles, A.C., and Schaeffer, L.D. 49**
Naf and cAMP excretion. Hornstad, H.; et al. L39**
NaF, cyclic AMP and glucose metabolism. Allmann, D.W., and Benac, M. L32**
NaF, cyclic AMP and glucose in rat liver. Allman, D.W., and Benac, M. 284**
PTH, CT and bone cell cyclic AMP. Yu, J.H.; et al. 65**
CYCLOPHOSPHAMIDE
Facial anomalies. Leize, M. 667*
Tooth abnormalities. Adatia, A.K. C111*
CYSTATHIONINE GAMMA LYASE
Cysteine desulfhydrase activity in saliva. Solis-Gaffar, M.C.; et al. 60**
CYSTEINE
Epithelium proteins. Baratz, R.S.; et al. L232**
CYSTEINE DESULFHYDRASE see CYSTATHIONINE GAMMA LYASE
CYSTIC FIBROSIS
Cystic fibrosis in children. Jagels, A.F., and Sweeney, E.A. 613**
CYTOCHROME OXIDASE
Methylprednisolone and cytochrome oxidase during wound healing. Fine, A.S.; et al. 95**
CYTOLOGICAL TECHNICS
Isolation of osteoclasts. Nelson, R.L., and Bauer, G.E. 246**
CYTOLOGY
Buccal exfoliative cytology. Presman, J.; et al. 639*

DEATHS
In memoriam: David Farrar Mitchell. Hine, M.K. 917
DEGLUTITION
Afferent sensors in swallowing. Hollshwandner, C.H.; et al. 83
Frequency. Sakuda, M; et al. C103*
DEHYDROGENASES see OXIDOREDUCTASES
DELIVERY OF HEALTH CARE
Delivery of preventive services. Gift, H. L287**
Patient attitudes in experimental delivery system. McDaniel, S.P.; et al. 43**
DEMETHYLCHLORTETRACYCLINE
DCTC, serum, bones & dentin. Yen, P.K., and Shaw, J.H. 358
DENTAL ALLOYS
Adhesive and sealing properties of gallium alloy. Saito, C., and Fusayama, T. 916†
Ag, Sn, Cu alloys. Moser, J.B. 462**
Alloy casting. Machert, J.R., Jr., and Moffa, J.P. 355**
Alloy properties. Mohammed, H., and Ingersoll, C. 466**
Applications of Nitinol alloys. Civjan, S.; et al. 89
Au-Pd-Ag and Pd-Ag alloys. Huget, E.F.; et al. 463**
Casting alloys. Ingersoll, C. 467**
Co-Cr-Ni-Nb alloy. Mohammed, H., and Kraijk, J. 464**
CoCrNiTa alloy. Rowe, A.; et al. 465**
Cu_2Ag_2 as casting alloy. Ledoux, W.; et al. 461**
Laser fusion of casting alloys. Preston, J.D., and Reisbick, M.H. 232
Ni-Cr alloys. Meyer, J.M., and Nally, J.N. L452**
Non-precious alloys. Adiar, P.J.; et al. 460**
Porcelain fused to alloys. Lugassy, A.A.; and Kumamoto, Y. 458**
Saliva and corrosion of alloys. Meyer, J.M., and Nally, J.N. 678*
Splat cooling. Johnson, L.B. L163**
DENTAL AMALGAM
Abrasion resistance. Hussey, M.; et al. L151**
Ag-Hg-Zn alloys. Jensen, S.J. L161**
Ag_2Sn-additive amalgam. Reisbick, M.H., and Weikel, G. 549**
Aging at 37 C vs creep. Vrijhoef, M.M., and Driessens, F.C. 679*
Aging of dispersalloy. Sarker, N.K., and Greener, E.H. L165**
Amalgam implants. Ellender, G. 648*
Amalgam tatoo. Rowley, P.S.; et al. L486**
Amalgam, Zn-PO_4 and Zn in teeth. Olsen, T., and Johansen, E. 536**
Artificial lesions. Kidd, E.A. L342**
Ca and P to amalgam. Chapple, C.C., and Wing, G. 647*
Causes of failure. Elderton, R.J. L169**
Corrosion. Stevenson, R.V., and Wing, G. 647*
Corrosion of amalgam. Marek, M.; et al. 546**
Corrosion products of dental amalgam. Sarkar, N.K.; et al. 1031
Creep and fracture of amalgam. Mahler, D.B.; et al. 553**
Crevice corrosion. Marek, M., and Hochman, R.F. L166**
Cu rich amalgams. Marshall, G.W.; et al. 550**
Cytotoxic effects. Goldschmidt, P.R.; et al. L502**
Dimensional change. Spanauf, A.J.; et al. L167**
Dimensional change and creep. Vrijhoef, M.M., and Driessens, F.C. L168**
Durability. Lavelle, C.; et al. L170**
Elasticity of dental amalgams. Powers, J.M., and Farah, J.W. 902†
Finishing procedures. Sarosiek, C., and Pameijer, C.H. 555**
γ and γ_1 diffusion. Okabe, T.; et al. L162**
Gold containing amalgam. Mahler, D.B., and Adey, J.D. L164**
Gold in Ag_2Sn-amalgam. Malhotra, M.L. 1099†
Hg during amalgam cutting. Battistone, G.C.; et al. 503**
High Cu alloy. Sabott, D.G.; et al. 551**
Influences on amalgam restorations. Mathewson, R.J., and Lee, K.H. 104
Initiation of cracks in dental amalgam. Younis, O.; et al. 1133

O₂ and Cl in amalgam corrosion. Sarkar, N.K.; et al. 545**
Oxygen in amalgam corrosion products. Marshall, G. W.; et al. 904†
Phase identification with TEM. Consani, S.; et al. L160**
Polishing and failure. Mathewson, R.J.; et al. 554**
Properties of amalgams. Asgar, K., and Arfaei, A.H. 552**
Pulp healing. Mjör, I.A., and Lervik, T. L171**
Set dispersion-phase. Louka, A.N., and Rummery, T. E. 548**
Stress corrosion. Weidenhofer, R.N. 654*
Stresses in amalgam restorations. Farah, J.W.; et al. 10
Tensile strength. Ohashi, M.; et al. C106*
TiF_4 in amalgam and s mutans. Pape, H.R., Jr.; et al. 336**
Tooth impedance. Phi, L.T., and Reid, K.H. 759
Wear response of resin, amalgam, & enamel. Powell, J.M.; et al. 1183
Wetting of Ag-Sn by Hg. Baran, G., and O'Brien, W.J. 547**
Analysis
Microprobe analysis of amalgam. Mahler, D.B.; et al. 218
Pharmacodynamics
Amalgam and gingiva. Barrickman, R.W., and Wawerka, C. 71**
Amalgam tatoos. Hendy, J.A., and Lugassy, A.A. 77**
Standards
Stress relaxation of amalgam. Paddon, J.M., and Wilson, A.D. 427†
Toxicity
Cellular response to amalgam. Kawahara, H.; et al. 394
DENTAL ARCH
Curve fits. Pepe, S.H. L129**
Curve fits to arches. Pepe, S.H. 1124
Dental arches of orthodontic patients. Hechter, F.J., and Cleall, J.F. 7**
Anatomy & Histology
Dental arch width in twins. Rosenberg, J.J., and Green, L.J. 31**
Tongue-lip pressures in aborigines. Proffit, W.R.; et al. 1161
DENTAL ASSISTANTS
Dentist's performance measures. Wallace, M.J., Jr.; et al. 1056
DENTAL AUXILIARIES
Attitudes to EDAs. Keith, C.L., and Milgrom, P.M. 377**
Economics and EDAs. Dilworth, J.B. 376**
Expanded duty curriculum. Brody, H.A. 378**
Extended duty team. Ackema, G.H., et al. L285**
Productivity of practice. Dilworth, J.B.; et al. L284**
Team mix. Overstreet, G.A.; et al. L552B**
DENTAL CARE
Need for treatment. Giddon, D.B.; et al. L289**
DENTAL CARIES
Cape Malay. Konviser, J.; et al. 686*
Caries in prehistoric skeletons. Metress, J.F., and Conway, T. 908†
Caries inhibition. Peterson, J., and Williamson, L. L338**
Caries studies. Fischman, S.; et al. 579**
Carious dentin. Goldberg, M.; et al. L437**
Carious dentine. Armstrong, W.G. L436**
Diagnostic performance. Lu, K.H. L143**
Effect of glycine on caries and lipids. Das, S.K., and Harris, R.S. 987
Effects of xerostomia on oral microbes. Brown, L.R.; et al. 740
Enamel F and caries. Charlton, G.; et al. 655*
Enamel: morphological considerations. Gustafson, G., and Sundström, B. B114
Epidemiology. Nanopoulos, F., and Cohen, P.M. 670*
Expected vs. actual caries. Rundegren, J., and Ericson, T. L410**
Experimental caries. Geddes, D.A.; et al. L336**
F, sucrose and caries. Ostrom, C.A.; et al. 292**
F. vs diet and caries. Larson, R. H., and Amsbaugh, S.M. 294**
Fluorides. Plasschaert, A.J., and Poort, H.W. 671*
GK-101 in caries removal. Schutzbank, S.G.; et al. 907†
Image analysis of caries. Glick, P.L.; et al. 452**
Inhibition of caries. Osugi, T.; et al. C101*
Kanamycin, S mutans and caries. Loesche, W.J.; et al. 335**
Lipid fatty acids. Cloutier, P., and Johansen, E. 410**
Mn and caries. Glass, R.L., and Rothman, K.J. L334**
Parotid fluid proteins & caries. Balekjian, A.Y.; et al. 850
Parotid IgA. Ørstavik, D., and Brandtzaeg, P. L396**
Poisson with optimization in caries. Singh, C., and Snyder, C.W. 1046
Povidone-iodine and saline. Duany, L.F.; et al. 581**
Rat caries. Brinner, W.W. 433**
S mutans and caries. Huxley, H.G. 658*
S mutans and caries. Keene, H.J.; et al. L409**
S mutans in caries. Shklair, I.L.; et al. 333**
S mutans in plaque. Loesche, W.J.; et al. 334**
Sealant, bacteria, caries. Handelman, S.L.; et al. L407**
Snack food texture and caries. Lopez, H.; et al. 434**
Structure of two layers of carious dentin. Ohgushi, K., and Fusayama, T. 1019
Sugar substitutes. Karle, E., and Gehring, F. 660*
Tooth degradation. Hellmuth, E.W., and Katzer, R.L. 408**
Trace elements and caries. Curzon, M.E., and Losee, F.L. 453**
TV image analysis. Rodda, J.C. 654*
Diagnosis
Fluorescent disclosing fluids. Rawls, H.R.; et al. L416**
Drug effects
Strontium & caries. Gedalia, I.; et al. 1240†
Etiology
Desalivated hamsters. Volker, J.F., and Klapper, C.E. 668*
Sealants and [illegible]es. El-Kafrawy, A.H., and Mitchell, D.F. 421†
Immunology
Immunity to caries. McGhee, J.R.; et al. L401**
Occurrence
Age, sex, race, economy. Rowe, N.H.; et al. L142**
Caries in rural south. Heifetz, S.B.; et al. 442**
Consistency vs validity in anticariogenic agents. Kamen, A., and Schreer, S.B. 1098†
Dental caries in Apache children. Infante, P.F.; et al. 915†
Haemodialysis. Renson, C.E., and Mercer, C.E. L339**
In primary and permanent teeth. Poulsen, S. L140**
Netherlands. Plasschaert, A.J.; et al. L144**
19th century British skulls. Lennon, M.A.; et al. L139**
Plaque biochemistry. Ashley, F.P., and Wilson, R.F. L85**
Problems in children. Friis-Hasché, E. L145**
Tooth dimension and caries prevalence. Stern, S.P., and Curzon, M.E. 910†
Prevention & control
Caries and gingivitis. Axelsson, P., and Lindhe, J. L475**
Caries prevention. Downer, M.C.; et al. L303**
Caries prevention in children. Bagramian, R.A.; et al. 161**
Evaluation of technics. Muller, T., and Gift, H. L283**
Flossing and caries. Wright, G.Z.; et al. 190**
Fluoride and caries in rats. Hunt, C.E.; et al. 289**
Fluoride tablets and caries. Driscoll, W.S.; et al. 580**
Immune response. Lehner, T.; et al. L397**
NaF dentifrice & caries in children. Stookey, G.K., and Beiswanger, B.B. 53
SnF_2 and post irradiation caries. Wescott, W.B.; et al. 578**
Topical fluoride application in rats. Poulsen, S., and Larson, R.H. 160
DENTAL CARIES ACTIVITY TESTS
Enzymes and ascorbic acid. Litzler, J.; et al. 670*
Tests and caries increments. Parkins, F.M. 441**

DENTAL CARIES SUSCEPTIBILITY
Adhesive penetration in white spots. Davila, J.M.; et al. 999
Fl, Ti & organic material. Bibby, B.G., and Little, M.F. B137
Zn in saliva. Picarelli, A., and Colasanti, R. 671*
DENTAL CASTING INVESTMENT
Dental die electroforming. Stackhouse, J.A. L330**
Dental stone. Sanad, M.E.; et al. L329**
Thermal expansion. Earnshaw, R. 645*
DENTAL CASTING TECHNIC
Alloy casting. Machert, J.R., Jr., and Moffa, J. P. 355**
Die stone and impression materials. Lorren, R.A.; et al. 353**
Removable die systems. Dilts, W.; et al. 354**
DENTAL CAVITY PREPARATION
Cavity margins finished at ultra speed. Leidal, T.I., and Tronstad, L. 152
Marginal fractures during cutting. Brown, W.S.; et al. 186**
Radioautographic study of high speed. Searls, J.C. 174
DENTAL CEMENTS
Bases in composite restorations. Farah, J.W.; et al. 15**
Cement and retention of serrated pins. Trabert, K.C.; et al. 227
Distribution of stresses in crowns. Farah, J.W., and Craig, R.G. 255
Glass-ionomer cements. Wilson, A.D., and Crisp, S. L447**
Mechanical properties. Bryant, R.W. 648*
Pulp reactions. Klotzer, W.T. 678*
S anguis and cements. Ørstavik, J., and Ørstavik, D. L448**
Solubility and absorption of cements. Moser, J.B.; et al. 280
Stresses in amalgam restorations. Farah, J.W.; et al. 10
Water and orthodontic cements. Marshall, G.W.; et al. 357**
DENTAL CEMENTUM
Bovine periodontal ligament and cementum collagen. Butler, W.T.; et al. 88**
Cleido-cranial dysostosis. Hitchin, A.D. L548**
Human cementum collagen. Christner, P.J., and Robinson, P.J. 89**
Microhardness of cementum & fluoride exposure. Stepnick, R.J., and Gettleman, L. 905†
Organic matrix. Eastoe, J.E. L547**
Tooth injury and new cementum. Perlmutter, S.; et al. C98*
DENTAL CLINICS
Care costs in mobile clinics. Doherty, N. 37**
Computerized evaluation of clinic operation. Leverett, D.H.; et al. 39**
Dental health behavior. Jong, A.; et al. 44**
DENTAL ENAMEL
Abrasivity. Davis, W.B., and Winter, P.J. L149**
Acid etch. Abramovich, A., and Freire, F. 631*
Acid etching for pit & fissure sealant. Marshall, G.W.; et al. 1222†
Ameloblasts during enamel mineralization. Beynon, A.D. L62**
Amino acids. Patterson, C.M., and Kruger, B.J. 657*
Antiseptics, enamel conditioning and plaque. Katz, S.; et al. 68**
Apatite crystallites. Harper, R.A., and Hamill, D.L. L222**
Artificial plaque. Joyston-Bechal, S.; et al. L541**
Assessing loss. Rees, D.A., and Davis, W.B. L341**
Biopsy technics. Wei, S.H.; et al. L539**
Biosynthesis of enamel protein. Shimokawa, H., and Sasaki, S. 250**
Ca diffusion in enamel. Flim, G.J., and Arends, J. L226**
Ca 45 and SEM of acid etch. Dogon, I.L., and Henry, P. 19**
Canine and incisor enamel. Moreno, E.C., and Zahradnik, R.T. L225**
Caries-like lesions. Groeneveld, A.; et al. 664*
Cell modulation in enamel organ. Josephsen, K., and Fejerskov, O. L60**
Clinical evaluation of enamel polish. Sturzenberger, O.P.; et al. 931
Colchicine. Kudo, N., and Ogura, H. C108*
Crystallites. Jongebloed, W.J.; et al. 664*
DCPD formation in topical F treatments. Chow, L.C., and Brown, W.E. 65
Deciduous incisor. Thylstrup, A.; et al. L360**
Demineralization of enamel. Zahradink, R.T., and Moreno, E.C. 438**
Density fractions. Brudevold, F.; et al. L537**
Dento-enamel junction. Ducroc, J., and Triller, M. 672*
Effect of conditioning on enamel. Kochavi, D.; et al. 304
Electrochemistry. Dijk, J.W.V.; et al. 665*
Enamel biopsy procedures. Mellberg, J.R.; et al. 439**
Enamel defects in pig molar. Kerebel, B., and Clergeau-Geurithault, S. L221**
Enamel F and caries. Charlton, G.; et al. 655*
Enamel F, DMF and fluorosis. Bischoff, J.I., and Merwe, E.H., van der 682*
Enamel matrix. Kaufman, G.S.; et al. 418**
Enamel microsampling device. Wei, S.H., and Wefel, J.S. 201
Enamel: morphological considerations. Gustafson, G., and Sundström, B. B114
Enamel polycrystals. Foreman, D.W., and McConnell, D. 455**
Enamel prisms. Poole, D.F.; et al. L220**
Enamel surface. Bakhos, Y., and Brudevold, F. 446**
Enamel wettability. Rawls, H.R., and Zimmerman, E. L. 136**
Enamel wettability. Reid, J.S., and MacDonald, D.G. 1176
Etch patterns of primary enamel. Bozalis, W.G.; et al. 342**
Etching agents and enamel. Pilgrim, J. 18**
F and enamel. Keller, S.; et al. L308**
F and resin-enamel bonding. Kochavi, D.; et al. C98*
F gradient in enamel. Berndt, A.F., and Stearns, R.I. 454**
F on enamel. Mellberg, J.R.; et al. 291**
F, plaque and enamel. Kirkegaard, E.; et al. L543**
Fl, Ti & organic material. Bibby, B.G., and Little, M.F. B137
F therapy with enamel conditioning. Katz, S. 696†
F uptake. Weatherell, J.A.; et al. L540**
Gold onlays to enamel. Pameijer, C.H., and D'Ambrosio, H.P. L333**
HPO_4^{2-} in enamel. Arends, J., and Davidson, C.L. L546**
HPO_4^{2-} ions in enamel. Davidson, C.L., and Hoekstra, I.S. L320**
Inter-crystallite bonding. Smales, F.C. L4**
Ion-thinning technics. Rachinger, W.A.; et al. 651*
Kinetics of mineralization. Nancollas, G.H.; et al. L230**
Lactobacilli and enamel lesions. Abramovich, A.; et al. 634*
Luminescence. Spitzer, D., and TenBosch, J.J. 665*
Microradiography. Brown, J.P. 652*
Mineralization pattern. Suga, S. L359**
NH_4F, APF and enamel. Wei, S.H.; et al. 1234†
Organic films on enamel. Tinanoff, N.; et al. 436**
P and Sn in enamel biopsies. Wei, S.H.; et al. 440**
Pigment in teeth of pygmy shrew. Lunt, D.A., and Noble, H.W. 1087†
Plaque inhibition by antiseptics. Katz, S.; et al. 69**
Polarized light microscopy. Myrberg, N.E., and Davidson, C.L. 672*
Porcine immature enamel. Fukae, M.; et al. C103*
Precurser enamel proteins. Slavkin, H.C.; et al. L59**
Pretreatment of enamel. Adipranoto, S.: et al. L354**
Protein in enamel. Srinivasan, B.N., and Brudevold, F. 271**
Rat incisor enamel. Robinson, C.; et al. L231**
Reactions of enamel-solution interface. Gonzalez, M.; et al. B121
Reactivity of enamel. Sognnaes, R.F. B106
Resin-enamel adhesion. Keizer, S., and Arens, J. L353**
Resin-infiltrated enamel. Nygaard, V.K.; et al. L228**
Se in enamel. Retief, D.H.; et al. L545**

SEM of carious enamel. Melcer, F.; et al. L229**
SEM of enamel demineralization. Lilienthal, B., and Spiro, E. L227**
SEM of resin/enamel interface. Jenkins, C.B. L352**
SEM study of dentinoenamel junction. Sela, J.; et al. 110
Shark enameloid. Kerebel, B., and Daculsi, G. L65**
Sn, F and enamel. Meckel, A.H. L542**
Solubility of fluorapatite. 2. Hagen, A.R. 384
Solubility of tooth enamel. Patel, P.R., and Brown, W.E. 728
Sr in enamel. Helsby, C., and Nixon, G.S. L544**
Trace elements. Bawden, J.W., and Hammarstrom, L.E. L358**
Transport measurements. Borggreven, J.M.; et al. 665*
Transport through enamel. Borggreven, J.M.; et al. L223**
Transport through enamel. Dijk, J.W.; et al. L224**
Tuberous sclerosis. Hoff, M.; et al. 662*
Ultrastructure of membrana preformativa. Orams, H. J. L61**
Wear response of resin, amalgam, & enamel. Powell, J.M.; et al. 1183

Analysis
Age and enamel fluoride. Aasenden, R. 540**
F in enamel. Arends, J.; et al. 671*
F in enamel. Mellberg, J.R.; et al. 293**
Si and F in enamel. Levy, J.S., and Koritzer, R.T. 443**
Trace elements and caries. Curzon, M.E., and Losee, F.L. 453**

Drug effects
Effect of detergent on enamel. Hamilton, W.J.; et al. 49

Immunology
Alloimmune response. Schonfeld, S.E. C72

Metabolism
Topical fluoride and enamel. Ehudin, H., and Soni, N.N. 538**

DENTAL ENAMEL HYPOPLASIA
Enamel hypoplasia in prehistoric Indians. Schulz, P. D., and McHenry, H.M. 913†
Tooth hypoplasia. Kuroda, S. 106**

DENTAL ENAMEL PERMEABILITY
Adhesive penetration in white spots. Davila, J.M.; et al. 999

DENTAL ENAMEL SOLUBILITY
Carboxylic acids, sucrose & enamel dissolution. McDonald, J.L., Jr., and Stookey, G.K. 187†
Effect of radiation on solubility. Walker, R. 901†
Enamel dissolution. White, W.D., and Nancollas, G. H. 448**
Model for enamel dissolution. Fox, J.L.; et al. 450**
Reactions of enamel-solution interface. Gonzalez, M;. et al. B121
Rotating disc studies. Wu, M.S.; et al. L538**
Saliva concentration, sucrose and enamel. Mundorff, S.A., and Bibby, B.G. 435**

DENTAL EQUIPMENT
Articulator capability. Finger, I.M.; et al. 174**
Computerized analysis of articulators. Beck, D.B., and Knap, F.J. 175**

DENTAL HEALTH SURVEYS
Dental health behavior. Jong, A.; et al. 44**

DENTAL HIGH SPEED TECHNIC
Cavity margins finishtd at ultra speed. Leidal, T.I., and Tronstad, L. 152
Radioautographic study of high speed. Searls, J.C. 174

DENTAL IMPLANTATION
Amalgam implants. Ellender, G. 648*
Biomaterials in dentistry. Smith, D.C. B146
Carbon endosteal implant. Grenoble, D.E. L249**
Cementing intraosseous implants. Schoenfeld, C.M.; et al. L248**
Ceramic materials. Newesly, H. L250**
Composite tooth replacement. Gratton, D.R.; et al. 277**
Curing polymer implant materials. Gettleman, L.; et al. 275**
Dental implants. Hulbert, S.F., and Bennett, J.T. B153
Dental implants. Zaki, H.S., and Kamel, I.L. 274**
Dimethylmethacrylate implants. Smith, A.W.; et al. 322**
Endosseous implants. Weiss, M.B.; et al. L251**
Endosteal implants. Cranin, A.N.; et al. 276**
Fiber mesh implant. Evaskus, D.S., and Laskin, D.M. 280**
Hard implant materials. Courtney, R.M., and Rudecoff, B.M. 278**
Implants with titanium. Young, F.A.; et al. 321**
Marrow, root implants. Morris, M.L. 300**
PAA-alumina composite implant. Greenberg, A.R., and Kamel, I.L. 272**
PMMA teeth. Peterson, L.J.; et al. L247**
Porous tooth implants. Spector, M.; et al. L244**
Prosthetic tooth implants. Weinstein, A.M.; et al. 281**
Recontouring alveolar defects. Yankelson, M.. and Bosman, W. L278**
Resorbable ceramic implants. Driskell, T.D.; et al. L246**
Resorbable ceramic implants. Mors, W.A., and Kaminski, E.J. 282**
S mutans antibody. Emmings, F.G.; et al. L400**
SEM of Ag points in bone. Brady, J.M.; et al. L469**
Tissue response. Topazian, R.G.; et al. L252**
Tooth implant success. Gettleman, L.; et al. 283**
Transosteal implant. Rabkin, M.; et al. 279**
Vitreous carbon. Voss, R.; et al. L253**

DENTAL IMPRESSION MATERIALS
Die stone and impression materials. Lorren, R.A.; et al. 353**
Elasticity of impression materials. Kaloyannides, T.M., and Christidou, L. 168
Force cycles. Inglis, A.T., and Braden, M. L326**
Rheology of materials. Koran, A.; et al. L323**
Syneresis. Miller, M.W. L328**

DENTAL INSTRUMENTS
Failure of files. Chernick, L.B.; et al. 518**

DENTAL MATERIALS
Assessment of microleakage. Jacobsen, P.H., and Von Fraunhofer, J.A. 41
Biomaterials in dentistry. Smith, D.C. B146
Cytotoxic properties. Murphy, W.M.; et al. L466**
Dental die electroforming. Stackhouse, J.A. L330**
Dental stone. Sanad, M.E.; et al. L329**
Dentin and pulp reactions. Frank, R.M. B176
Hamster cheek pouch. Wortel, J.; et al. 621**
Hard implant materials. Courtney, R.M., and Rudecoff, B.M. 278**
Liners and sealers. Marker, B.K.; et al. 142**
Nonmetallic restoratives. Hertert, R.S.; et al. 139**
Permeability of cavity liners. Younis, O. 141**
Plaster and stone. Mori, T. 645*
Pulp and dentin response. Avery, J.K. B188
Resin-based filling materials. Viohl, J. L442**
Resorbable ceramic. Heller, A.; et al. 221**
Short-term stress-relaxation behavior. Hertert, R.S.; et al. 1149
Topical fluorides. Brown, D. L148**
Wear of restoratives. Powell, J.M., and Dickson, G. 356**

Pharmocodynamics
Cavity cleaner, bacteria and pulp. Eriksen, H.M. 329A**
Epoxylite. Rosen, M., and Stallard, R.E. L351**
Liner resins and pulp. Moore, D.L.; et al. 220**
Pulpal response to materials. Cleveland, D.E.; et al. 224**

Toxicity
Cavity liners and mucous membranes. Kaminski, E.J.; et al. 323**

DENTAL MODELS
Tooth support. Atkinson, H.F., and Ralph, W.J. 653*

DENTAL OCCLUSION
Curve fits to arches. Pepe, S.H. 1124
In vivo occlusal forces & moments. Mansour, R.M., and Reynik, R.J. 114
In vivo occlusal forces and moments. Mansour, R.M., and Reynik, R.J. 121
Occlusal force. Yoshimoto, S., and Kakudo, Y. C104*
Tooth contact in Class I. Bohl, C.F.; et al. 178**
Tooth contacts and stability. Donegan, S.J., and Ziebert, G.J. 179**

DENTAL OCCLUSION, BALANCED
Jaw muscle activity. Funakoshi, M., and Fujita, N. L372**
Periodontal space. de Fumosas, S.S.; et al. 635*
DENTAL OCCLUSION, CENTRIC
Stress transfer. Standlee, J.P., and Caputo, A.A. L518**
DENTAL OCCLUSION, TRAUMATIC
Dog peridontal tissue. Ericsson, I., and Lindhe, J. L9**
Genetic, in mouse. Miller, W.A. 611**
DENTAL OFFICES
Airborne hydrocolloids. Woody, R.D.; et al. 363**
Beryllium in air. Hinman, R.W.; et al. 362**
Dental noise. Clynes, J.T.; et al. 364**
Mercury vapor. Gaspar, J.D.; et al. 504**
DENTAL PINS
Cement and retention of serrated pins. Trabert, K.C.; et al. 227
Retention of pins. Duncanson, M.; et al. 361**
DENTAL PLAQUE
Alexidine mouthwash. Formicola, A.; et al. 600**
Alexidine mouthwash. Spolsky, V.W., and Forsythe, A.B. 601**
Alexidine plaque and gingivitis. Weatherford, T.W., III; et al. 329B**
Antibacterial mouth wash. Holbeche, J.; et al. 653*
Aspartame and plaque. Olson, B. 232**
β-Ca glycerophosphate. Stephen, K.W.; et al. L89**
Baboon. Louw, N.P.; et al. 686*
Bacteria and sonic plaque dispersion. Robrish, S.A.; et al. 236**
Bacteriology of plaque in gingivitis. Syed, S.A.; et al. 109**
Brushing, wear and plaque. Kreifeldt, J.G.; et al. 191**
Cheese and pH. Rugg-Gunn, A.J.; et al. L382**
Composite finishing. Weitman, R.T., and Eames, W. B. L337**
DCPD stabilization by plaque. Grøn, P., and Hay, D.I. 268**
Diet duration and plaque variation. Dennis, D.A.; et al. 716
Disclosants. Gillings, B., and Harvey, B. 643*
Drug dynamics & oral soft tissues. Gjermo, P. B44
Drugs vs. plaque microorganisms. Newburn, E.; et al. 112**
Effect of Cepacol. Ciancio, S.G.; et al. 585**
Effects of phosphate on plaque. Tatevossian, A.; et al. B34
Effects of sugar intake on plaque Ca & P. Ashley, F.P. 1015
Eh reduction in plaque. Socransky, S.S., and Manganiello, A.D. 118**
Endotoxin in plaque. Gildenhuys, R.R.; et al. 110**
Estimating viable filamentous bacteria in plaque. McCabe, R.M.; et al. 195†
F, plaque and enamel. Kirkegaard, E.; et al. L543**
F mouthrinse. DePalma, P.D.; et al. 603**
Gingival disease in youths. Campabadal, M.B.; et al. 636*
Haemophili and neuraminidase activity. Tuyau, J.E., and Sims, W. 737
Immunoglobulins. Kein, J.P.; et al. 661*
In vitro plaque. Sabelli, C.A.; et al. 636*
Iodine. Kligerman, B.A., and Bissada, N.F. 602**
Ions in plaque fluid. Tatevossian, A. L259**
Lactic acid in plaque. Gilmour, M.N.; et al. L299**
Microbiological changes. Larmas, M.; et al. L80**
Morphogenesis in dogs. Oliver, R.; et al. L453**
Mouthwashes and plaque. Barnes, G.P., and Carter, H.G. 582**
Neisseria. Bowden, G.H.; et al. L210**
Non-cariogenic bacterial. Forlot, P.; et al. 660*
Non-cariogenic bacterial. Kerebel, B.; et al. 660*
Organic amine plaque inhibition. Bass, G.E.; et al. 968
O_2 in plaque and saliva. Globerman, D.Y., and Kleinberg, I. 119**
Plaque amino acid. Hayes, M.L., and Holman, M.R. L298**
Plaque and gingivitis. de Funosas, S.S.; et al. 636*
Plaque and gingivitis. de Giola, E.N., and Quirch, J.S. 636*
Plaque and mouse spleen lymphocytes. Chambers, D. A.; et al. 103**
Plaque and periodontitis. Newman, H.N. L14**
Plaque and submaxillary stones. Burstein, L.S.; et al. 130**
Plaque bacteria. Holt, S.C.; et al. L208**
Plaque bacterial. Slots, J. L219**
Plaque biochemistry. Ashley, F.P., and Wilson, R.F. L85**
Plaque formation. Sveen, O.B.; et al. L86**
Plaque growth. Tiainen, L.; et al. L463**
Plaque in fissures. Theilade, J.; et al. L88**
Plaque in gingivitis. Loesche, W.J., and Syed, S.A. 108**
Plaque inhibition. Bonesvoll, P.; et al. L473**
Plaque inhibition by chlorhexidine. Rölla, G., and Melsen, B. B57
Plaque polysaccharides. Kondo, W.; et al. C102*
Plaque streptococcus. Hardie, J.M.; et al. L408**
Plaque with GK-101. Habib, C.M.; et al. 210**
Polysaccharide metabolism of plaque. Gawronski, T. H.; et al. 881
Povidonie-iodine and saline. Duany, L.F.; et al. 581**
Quantity and microbial composition of plaque. Staat, R.H.; et al. 872
Repeated prophylaxis. Gwinnett, A.J.; et al. 605**
Rinses and plaque. Wilson, R. F., and Ashley, F.P. L84**
S mutans in plaque. Berthold, P. L87**
S mutans in plaque. Loesch, W.J.; et al. 334**
S mutans in plaque. Woods, R.G. 650*
SEM of plaque. Lilienthal, B. 266**
SEM of plaque formation. Sabelli, C.A.; et al. 632*
SEM, TEM of plaque. Lie, T. L16**
Serum antibodies. Ahlstedt, S.; et al. L275**
Streptococci in plaque and F. Schamschula, R.G.; et al. 652*
Sucrose metabolism in plaque. Minah, G.E., and Loesche, W.J. 116**
Sugar, pyridoxine, phytate and plaque. Cole, M.F. L83**
Sugar substitutes. Karle, E., and Gehring, F. 660*
Sugars and plaque microbiology. Gehring, F.; et al. L81**
Tongue brushing and plaque. Gross, A.; et al. 1236†
Trace elements, acid and plaque. Cook, W. S.; et al. 117**
Volume vs. streptococcal population in plaque. Charlton, G.; et al. 1094†
Xylitol and plaque. Mouton, C.; et al. L78**
Analysis
Measurement of dental plaque. Trapp, L.D.; et al. 164
Plaque weight and an index. Gilmore, N.D., and Clark, R.E. 422†
Congenital
Plaque-susceptible rats. Ito, N.; et al. 425†
Enzymology
Enzymes and plaque. Alexander, D.L., and Miller, C.H. 114**
Plaque and enzymes. Jordi, H.C.; et al. 62**
Immunology
Failure of antiserum to penetrate plaque. Jenzano, J. W.; et al. 829
Microbiology
Bacteria from plaque. Crowe, J.P.; et al. 235**
Prevention & Control
Antibacterial agents. Gjermo, P.; et al. L527**
Antiseptics, enamel conditioning and plaque. Katz, S.; et al. 68**
Benzethonium chloride. Gaffar, A.; et al. 583**
Oat hulls. Katz, S.; et al. L344**
Plaque inhibition by antiseptics. Katz, S.; et al. 69**
Ultrastructure
Ultrastructure of bacterial plaque. Listgarten, M.A.; et al. 113**
DENTAL PORCELAIN
Distribution of stresses in crowns. Farah, J.W., and Craig, R.G. 255
Porcelain fused to alloys. Lugassy, A.A., and Kumamoto, Y. 458**
Sintering behavior. Meyer, J.M.; et al. L450**

DENTAL PROPHYLAXIS
Bone regeneration. Rosling, B.; et al. L458**
Plaque and gingival fluid. Gwinnett, A.J.; et al. 605**
Prevention of gingivitis. de Ciola, E.N., and Quirch, J.S. 635*
DENTAL PULP
Bacterial contamination. Peterson, R.C., and Watts, A. L468**
Calcification. Utsumi, N.; et al. C109*
Cyclic AMP in pulp. Grower, M.F.; et al. 216**
Dentin and pulp reactions. Frank, R.M. B176
Functions of cells. Tate, G.W. 647*
H^3-proline in pulp. Orlowski, W. 227**
Lipids and fatty acids in pulp. Larson, L.R.; et al. 411**
Odontoblastic atrophy. Martinez Peña, R.F.; et al. 639*
Primary cell culture. Magloire, H., and Dumont, J. L239**
Pulp and dentin response. Avery, J.K. B188
Pulp cell differentiation. Cramer, J.F.; et al. 225**
Pulp lymph. Bernick, S. 409**
Pulp NaCl exposure. Quigley, M., and Kovarik, F. 219**
UV activated compounds and pulp. Heys, D.R.; et al. 218**
Drug effects
Cavity cleaner, bacteria and pulp. Eriksen, H.M. 329A**
Epoxylite. Rosen, M., and Stallard, R.E. L351**
Liner resins and pulp. Moore, D.L.; et al. 220**
Nuva-Seal. Goto, G.; et al. L350**
Pulp capping and pulp. McClugage, S.G.; et al. 66**
Pulp protection and composite resins. Van Leeuwen, M.; et al. 223**
Pulpal response to materials. Cleveland, D.E.; et al. 224**
Tooth fracture, UV bonding and pulp. Greeley, C.B.; et al. 222**
Metabolism
Tooth lactic acid and diet. Steinman, R.R.; et al. 419†
Microbiology
Non-vital teeth. Sundqvist, G., and Carlsson, J. L412**
DENTAL PULP CAPPING
$Ca(OH)_2$ effect. Baratieri, A.; et al. 678*
Capping agents. Rowe, A.H., and Binnie, W.H. L156**
Pulp capping and dentinogenesis. El-Kafrawy, A.H. 521**
Pulp capping and pulp. McClugage, S.G.; et al. 66**
DENTAL PULP CAVITY
Catalase, and bacteria. Rabin, A.N.; et al. 517**
Flora sensitivity. Mitsis, F.; et al. 678*
Identification of streptococci. Heintz, C.E., and Oliet, S. 516**
Pulp temperature & modelling compound. Grajower, R.; et al. 212
Root canal bacteria. Rabin, A.; et al. C110T
DENTAL PULP DISEASES
Pulp disease diagnosis. Anderson, D.M.; et al. 515**
Pulp tissue infection. Lakshmanan, C.D. L472**
DENTAL PULP TEST
Pulpal response to analgesics. Bolden, T.E.; et al. B198
DENTAL RESTORATION, PERMANENT
Acid etch. Nelson, S.R.; et al. 692T
Bases in composite restorations. Farah, J.W.; et al. 15**
Class IV resin restorations. Hanson, E.C.; et al. 24**
Deformation of cavities. Jørgensen, K.D.; et al. L446**
Foil and powdered gold. Kirkwood, J., and Makinson, O.F. 648*
Influences on amalgam restorations. Mathewson, R.J., and Lu, K.H. 104
Microleakage of repaired fractured incisors. Brose, J.; et al. 21**
SEM of bond in composite restorations. Liatukas, E.L., and Young, R.I. 16**
SEM of margins. Brennan, S.; et al. 644*
Short-term stress-relaxation behavior. Hertert, R.S.; et al. 1149
UV resin system and marginal leakage. Hembree, J. H., and Andrews, J.T. 20**
DENTAL STRESS ANALYSIS
In vivo occlusal forces & moments. Mansour, R.M., and Reynik, R.J. 114, 121
Model for occlusal force analysis. Mehta, N.R.; et al. 1243†
Partial dentures. Correll, P.J., and Caputo, A.A. 169**
Pontic designs. Mohammed, H.; et al. 170**
DENTIFRICES
Caries inhibition. Peterson, J., and Williamson, L. L338**
China and Vietnam. Hefferren, J.; et al. 511**
Chlorhexidine toothpaste. Emilson, C.G., and Fornell, J. L526**
Clinical evaluation of enamel polish. Sturzenberger, O.P.; et al. 931
Dentifrice and mucous. Allen, A.L.; et al. 203**
Dentin wear resistance and storage. Davis, W.B. 1078
Effect of detergent on enamel. Hamilton, W.J.; et al. 49
Hypersensitive teeth. Zinner, D.D.; et al. L340**
NaF dentifrice & caries in children. Stookey, G.K., and Beiswanger, B.B. 53
Testing dentifrices. Mainwaring, P., and Naylor, M.N. L304**
Toothbrushes and abrasion of dentin. Harte, D.B., and Manly, R.S. 993
DENTIN
Age and minerals. Pouezat, J.A., and Baud, C.A. 676*
Apatite and osteodentin. Takuma, S.; et al. L430**
Assessing loss. Rees, D.A., and Davis, W.B. L341**
Bovine dentine collagen. Scott, P.G., and Veis, A. L432**
Ca/P of dentin. Wright, J.C., and Foreman, D.W. 444**
Carious dentin. Armstrong, W.G. L436**
Carious dentin. Goldberg, M.; et al. L437**
Colchicine. Kudo, N., and Ogura, H. C108*
Collagen in dentin. Korostoff, E.; et al. 349A**
Dentin abrasion. Harte, D.B., and Manly, R.S. 188**
Dentin and attrition. Darling, A.T., and Mendis, B.R. L439**
Dentin and pulp reactions. Frank, R.M. B176
Dentin formation in erupting teeth. Holmstedt, J.O.; et al. 345**
Dentin matrix collagen. Wohllebe, M., and Charmichael, D.J. L433**
Dentin mineralization. Tomson, M.; et al. 350**
Dentin permeability. Livingston, L.; et al. 447**
Dentinogenesis imperfecta. Velley, J. 662*
Dento-enamel junction. Ducroc, J., and Triller, M. 672*
Desensitizing agents, strontium and dentin. Stazen, P. J., and Foreman, D.W. 189**
Enzymes and matrix. Goldberg, M.; et al. 675*
Fiber reinforced modelling. Swedlow, D.B.; et al. L184**
Fuchsin staining. Sato, Y., and Fusayama, T. C109*
Hardness of scleratic dentin. Grajower, R., and Azzaz, B. C99*
Human dentin. Lefevre, R.; et al. L429**
Irradiation effects. Davis, W.B., and Hefferren, J.J. L150**
Isoionic exchange into dentin. Dordick, B., and Rabinowitz, J.L. 451**
Kinetics of mineralization. Nancollas, G.H.; et al. L230**
Lipid fatty acids. Cloutier, P., and Johansen, E. 410**
Magnifying properties of dentin. Walton, R.; et al. 445**
Odontoblast mitochondria. Sayegh, F., and Abousy, A. 251**
Organic matrix. Leaver, A.G.; et al. L431**
Pain. Anderson, D.J., and Linden, R.W. L566**
Pocket reattachment to root dentin. Register, A.A. 80**
Proteolytic enzymes. Mikulski, A.J.; et al. L434**
Pulp and dentin response. Avery, J.K. B188
Pulp healing. Mjör, I.A., and Lervik, T. L171**
Resorbing root dentin. McEvoy, S. 347**
Root dentin minerals. Pouezat, J.A., and Baud, C.A. L438**
SEM of F-treated dentin. Tal, M.; et al. C98*
SEM of matrix. Triller, M.; et al. 676*

SEM study of dentinoenamel junction. Sela, J.; et al. 110
Stress relaxation in human dentin. Duncanson, M.G., and Korostoff, E. 2007
Tooth impedance. Phi, L.T., and Reid, K.H. 759
Toothbrushes and abrasion of dentin. Harte, D.B., and Manly, R.S. 993
Analysis
Lead in calcifying tissues. Claman, L.; et al. 535**
Metabolism
Tooth lactic acid and diet. Steinman, R.R.; et al. 419†
Pathology
Structure of two layers of carious dentin. Ohgushi, K., and Fusayama, T. 1019
Radiation effects
Dentin wear resistance and storage. Davis, W.B. 1078
Transplantation
Osteogenic potential. Luostarinen, V., and Rünning, O. L124**
DENTIN PERMEABILITY
Dentin wear resistance and storage. Davis, W.B. 1078
DENTIN SENSITIVITY
Dentifrices, Zinner, D.D.; et al. L340**
Desensitization of tooth roots. Karlsson, U.L., and Penney, D.A. 982
Residual fluoride in human teeth. Ehrlich, J.; et al. 897
DENTINOGENESIS
^{45}Ca in dentinogenesis. Nagai, N., and Frank, R.M. 675*
DCTC, serum, bones & dentin. Yen, P.K., and Shaw, J.H. 358
Lipid-dependent calcification. Vogel, J.J., and Ennever, J. 416†
Lipids and fatty acids in pulp. Larson, L.R.; et al. 411**
Minocycline and calcifying tissues. Yen, P.K., and Shaw, J.H. 423†
Pulp capping and dentinogenesis. El-Kafrawy, A.H. 521**
Tetracycline and ultrastructure. Kruger, B.J. 822
DENTINOGENESIS IMPERFECTA
Dentin matrix. Velley, J. 662*
DENTIST-PATIENT RELATIONS
Filmed modeling to aid behavior. Melamed, B.G.; et al. 797
DENTISTRY, OPERATIVE
Preclinical procedures. Dhuru, V.; et al. L549**
DENTISTS
Dentist's performance measures. Wallace, M.J., Jr.; et al. 1056
Job satisfaction of dentists. Bailit, H.; et al. 47**
Practice location and job satisfaction. Overstreet, G.A.; et al. 48**
Psychological problems. Kenney, C.H., and Fingerman, G. L554**
DENTISTS, WOMEN
Attitudes, Bluitt, J., and Gift, H. L553**
DENTITION
Baboons. Tagger, E.; et al. C97*
Major genes and human dentition. Kalakowski, D., and Bailit, H. 32**
Premature loss of molars. Tomer, B.; et al. 470**
Prenatal variability in dentition. Garn, S.M.; et al. 420†
Sensory innervation. Kubota, K.; et al. C104*
Sr uptake by developing hard tissues. Gedalia, I. B125
Tooth replacement in trout. Berkovitz, B.K., and Moore, M.H. L188**
Tooth size and morphologic traits. Lombardi, A.V. 239
DENTURE BASES
Accuracy of fit. Swartz, W.H.; et al. L322**
Cleanser effects. Rossiwall, B., and Newesely, H. 679*
Denture base deformation. Kapur, K.K.; et al. 171**
Denture base processing. Hardy, F. 135**
DENTURE, COMPLETE
Denture sore mouth. Bastiaan, R.J. 644*
Epulis and hyperplakia. Keszler, A.; et al. 640*
Infection in elderly. Budtz-Jørgensen, E.; et al. L327**
Patient response. Ellinger, C.W.; et al. L514**
Psychological screening. Ismail Y.; et al. L513**
Psychological screening in dentures. Kruper, D.C.; et al. 490**
Residual ridge. Somes, G.W.; et al. L516**
DENTURE LINERS
Microbiologic evaluation. Tang, R.Y.; et al. 692T
Polyurethane as resilient denture liner. Tang, R.Y.; et al. 1039
Semi-permanent. Leong, A., and Harcourt, J.K. 644*
DENTURE, OVERLAY
Over dentures. Dennis, C.G. 643*
Overlay dentures and oral structures. Thayer, H.H., and Caputo, A.A. 168**
DENTURE, PARTIAL, FIXED
Occlusion and stability. Nyman, S., and Lindhe, J. L8**
Partial dentures. Correll, P.J., and Caputo, A.A. 169**
Pontic designs. Mohammed, H.; et al. 170**
DENTURE, PARTIAL, REMOVABLE
Partial dentures and inflammation. Strauss, S.; et al. 173**
DENTURE RETENTION
Palatal fluid. Hamada, T.; et al. L325**
Palatal fluid. Kawazoe, Y.; et al. C105*
DESENSITIZATION
Desensitization of tooth roots. Karlsson, U.L., and Penney, D.A. 982
DESMOSOMES
Calf's muzzle skin. Leloup, R. 672*
Epidermal. Wanson, J.C. 672*
DETERGENTS
Effect of detergent on enamel. Hamilton, W.J.; et al. 49
DEXTRAN
A viscosus and dextran. McBride, B.C. L345**
DEXTRANASE
Diet duration and plaque variation. Dennis, D.A.; et al. 716
Fungal dextranase. Simonson, L.G. 61**
Polysaccharide metabolism of plaque. Gawronski, T. H.; et al. 881
DIABETES MELLITUS
Arteriosclerosis & diabetic vasculature. Keene, J.J., Jr. 77
Cyclic AMP in gingival fluid. Grower, M.F.; et al. 594**
Gingival capillary basement laminae. Bernard, G., and Sakabu, S. 595**
Saliva in diabetes. Marder, M.Z.; et al. 391**
DIBUTYRYL CYCLIC AMP
Dibutyryl-cAMP, theophylline and parotid gland. Fritz, M.E., and Grampp, W. L201**
PTE isoproterenol, DBcAMP and bone. Mills, B.G. 415**
DIET
Computer-facilitated nutritional analysis. Goodson, J. M.; et al. 407
Diet duration and plaque variation. Dennis, D.A.; et al. 716
F vs diet and caries. Larson, R.H., and Amsbaugh, S.M. 294**
SEM study of tooth wear. Shkurkin, G.V.; et al. 402
Submandibular gland metabolism. Zebrowski, E.J.; et al. 396**
DIET, CARIOGENIC
Cariogenic foods. Bodden, R.; et al. 534**
Diet and cariogenesis. Piovano, S.H.; et al. 834*
DMF and snacks. Clancy, K.; et al. 543**
Salivary glands. Lormee, P.; et al. 673*
Tooth lactic acid and diet. Steinman, R.R.; et al. 419†
DIETARY FATS
Dietary fats and amine fluorides in rats. Dolan, M.M.; et al 514**
DIPEPTIDES
Aspartame and plaque. Olson, B. 232**
DIPHENYLHYDANTOIN
DPH and clefts. Hetzel, S., and Brown, K.S. 155**
DPH and fibroblasts. Keith, D.A.; et al. 305**
DPH and gingival response. Conard, G.J.; et al. B68
DPH gingival hypoplasia. Staple, P.H., and Reed, M.J. 406**
DPH-induced cleft palate. Walker, B.E. L50**

DISACCHARIDES
Sucrose and lactulose in salivary system. Mäkinen, K. K., and Rekola, M. 1244†
DISEASE MODELS, ANIMAL
Diphenylhydantoin gingival hypoplasia. Staple, P.H., and Reed, M.J. 406**
Sjogren's syndrome. Greenspan, J.S.; et al. L269**
DMF INDEX
Canadian Inuit caries experience 1969–1973. Mayhall, J.T. 1245†
Cariogenic activity. Sa Fleitas, M.J.; et al. 635*
DMF and snacks. Clancy, K.; et al. 543**
DMF teeth and heroin. Picozzi, A.; et al. 491**
Enamel F, DMF and fluorosis. Bischoff, J.I., and Merwe, E.H., van der 682*
Prediction of restorative needs. Fleisch, S.; et al. 41**
DNA
Adenil ciclase and DNA. Catanzaro, O.L., and Flawia, M.S. 637*
DNA in Bacteroides. Damle, S.P., and Syed, S.A. 237**
Feulgen microspectrophotometry. Doyle, J.L., and Manhold, J.H. 1196
DNA, BACTERIAL
Plasmid DNA in S faecalis. Clewell, D.B.; et al. L297**
S sanguis strains. Coykendall, A.L., and Specht, P.A. L293**
Streptomycin resistance. Westergren, G., and Emilson, C.G. L295**
DNA VIRAL
Herpes simplex virus DNA. Shipman, C., Jr.; et al. L302**
DOWN'S SYNDROME
Analysis of cranial shape. Kreiborg, S. L177**
Palatal dimensions in Down's syndrome. Westerman, G.H.; et al. 767
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
Periodontal diseases in Down's syndrome and sibs. Orner, G. 81**
Stature and tooth number in trisomy G. Falcetti, J.P.; et al. 34**
Tooth histology. Brabant, H., and Klees, L. 662*
DOXYCYCLINE
Periodontal surgery. Kimmelman, J.R.; et al. L276**
DRUGS
Dentin and pulp reactions. Frank, R.M. B176
DRY SOCKET
Dry socket and dysglycemia. Ringsdorf, W.M., Jr., and Cheraskin, E. 184†
DYES
Vascular constriction. Gerke, D.C., and Waterson, J.G. 656*

ECONOMICS, DENTAL
Care costs in mobile clinics. Doherty, N. 37**
Economics and EDAs. Dilworth, J.B. 376**
ECTODERMAL DYSPLASIA
Partial anodontia. Nakata, M.; et al. C108*
EDEMA
Anti-inflammatory activity of eugenol. Dewhirst, F.E., and Goodson, J.M. 405**
EDUCATION, DENTAL
Preclinical procedures. Dhuru, V.; et al. L549**
EGYPT
SNA and SNB angles in Nubian children. Walker, S.J.; et al. 764
ELASTICITY
Elasticity of dental amalgams. Powers, J.M., and Farah, J.W. 902†
Elasticity of impression materials. Kaloyannides, T.M., and Christidou, L. 168
Oxytalan-type fibers in temporomadibular joint. Luke, D.A. 1088†
ELASTOMERS
Maxillofacial materials. Koran, A., and Craig, R.G. 1216
ELECTRIC CONDUCTIVITY
Dielectric properties of cements. Braden, M., and Clarke, R.L. 7
ELECTRIC STIMULATION
Electric currents and tooth movement. Beeson, D.C.; et al. 251
ELECTROCHEMISTRY
Electrochemical changes and bone growth. Klapper, L., and Stallard, R.E. 343**
ELECTRODES
Electrical resistance of teeth. Outhwaite, W.C. 693†
ELECTROGALVANISM, INTRAORAL
Tooth impedance. Phi. L.T., and Reid, K.H. 759
ELECTROLYTES
Furosemide and electrolytes. McNerny, R.H.; et al. 395**
Palatinal gland secretion. Kaaber, S. L389**
Xerostomia and electrolytes. Dreizen, S.; et al. 392**
ELECTROMYOGRAPHY
Bruxist behavior. Rugh, J.D., and Solberg, W.K. L563**
Comfortable zone. Kato, H.; et al. L524**
Computerized electromyography. Brown, G.S.; et al. 177**
Food consistency. Thexton, A., and Hiiemae, K. L378**
Jaw-closing force. Hannam, A.G.; et al. 694†
Latency & silence in jaw muscles. Gillings, B.R., and Klineberg, I.J. 269
Masseteric electromyograms. Duxbury, A.J.; et al. L376**
Occlusal disharmony. Tallgren, A.; et al. L373**
Oral EMG. Vitti, M.; et al. 844
Reproducibility of electromyograms. Garnick, J.J. 867
ELECTRON PROBE MICROANALYSIS
Compact bone analysis. Bang, S., and Baud, C.A. L111**
Gold containing amalgam. Mahler, D.B., and Adey, J.D. L164**
Microprobe analysis of amalgam. Mahler, D.B.; et al. 218
ELECTRON SPIN RESONANCE
Nitrate radicals in apatites. Peckauskas, R.A., and Pullman, I. 1096†
ELECTROPHORESIS
Parotid fluid proteins & caries. Balekjian, A.Y.; et al. 850
ENDOCARDITIS, BACTERIAL
Experimental endocarditis. Bahn, S.L.; et al. L405**
Experimental endocarditis. McGowan, D.A. L406**
ENDODONTIC ENDOSSEOUS IMPLANTATION
Evaluation of endosseous implants. Langeland, K., and Spängberg, L. B158
ENDOTOXINS
Bacterial lipopolysaccharides. Sveen, K., and Hofstad, T. L213**
Endotoxin and gingiva. Fulton, R.S.; et al. 207**
Endotoxin & lipoteichoic acid on bone. Hausmann, E.; et al. B94
Endotoxin in gingivitis. Kenner, M.F.; et al. 205**
Endotoxin in plaque. Gildenhuys, R.R.; et al. 110**
Endotoxin penetration through oral mucosa. Alfano, M.C.; et al. 1143
Endotoxins and gingival cells. Barbanell, R.L.; et al. 204**
Osteoclast changes in endotoxin-treated bones. Rowe, D.J., and Hausmann, E. 416**
ENZYMES
Bacterial enzymes. Helderman, W.H. L427**
Carious dentin. Goldberg, M.; et al. L437**
Chlorhexidine and oxidative enzymes. Nuki, K.; et al. L35**
Citric acid cycle enzymes in gingiva. Bergquist, J.; et al. 92**
Collagenase activation by proteases. Birkedal-Hansen, H.; et al. 86**
Cytochemical methods. Ferguson, M.M.; et al. L237**
Cytoenzymes in mouse neurons. Hanker, J.S.; et al. 373**
Enzymes and salivary glycoproteins. Toms, P.K., and Leach, S.A. L97**
Enzymes in gingiva. Ratliff, M.; et al. 93**
Extracellular invertase activity from A viscosus. Palenik, C.J., and Miller, C.H. 186†

Fibroblasts and lysosomal enzymes. Cogen, R.B., and Taubman, S.B. 314**
Fungal dextranase. Simonson, L.G. 61**
Glycolitic enzyme kinetics in gingiva. Organ, R.; et al. 65**
Measurement of salivary gland enzymes. Schuster, G.S.; et al. 1138
Plaque and enzymes. Jordi, H.C.; et al. 62**
Porcine immature enamel. Fukae, M.; et al. C103*
Proteinase inhibitors. Sorgente, N. 87**
Proteolytic enzymes. Mikulski, A.J.; et al. L434**
S. Mutans. Bulkacz, J., and Hill, J.M. L12**
Streptococcal effects on saliva protein. Cowman, R.A., and Fitzgerald, R.J. 298
EPIDEMIOLOGIC METHODS
Poisson with optimization in caries. Singh, C., and Snyder, C.W. 1046
EPIDERMIS
Actynomycetin and epidermis. de Rey, B.M. 632*
EPINEPHRINE
Constrictor potentiation by POR-8. Waterson, J.G. B63
Epinephrine absorption. Houston, J.B., and Mettler, L. 400**
Gingival blood volume. Kinnen, E.; et al. 597**
Potency comparison of local anesthetic. Simard-Savoie, S. 978
EPIPHYSES
Hyperglucocorticosteroidism and epiphyseal plate. Livne, E., and Silbermann, M. L118**
Hypoxia and epiphyseal plates. Han, S.S.; et al. L116**
EPITHELIAL ATTACHMENT see under PERIODONTIUM
EPITHELIAL CELLS
Epithelial cells in calcified collagen matrices. Everett, M.M., and Miller, W.A. 243**
Metal ions. Yamami, T.; et al. C105*
Oral inflammatory diseases. Rogers, R.S., III; et al. L267**
Secondary cultures. Sim, F.R. 647*
Surface appearances. Cleaton-Jones, P. L511**
EPITHELIUM
Autoradiography of epithelium. Singh, B.B.; et al. 324**
Basement membrane. Occhino, J.C., and Scaletta, L.J. L503**
Buccal epithelium. MacDonald, D.G.; et al. L491**
Cell kinetics. Warnakulasuriya, K.A.; et al. L492**
Cheek mucosa. Willoughby, S.G.; et al. L493**
Collagen secretion by tooth epithelium. Slavkin, H.C. 30**
Epithelium proteins. Baratz, R.S.; et al. L232**
Human buccal, analysis. Landay, M.A., and Schroeder, H.E. 673*
Hypocalcemia and keratinisation. Kaqueler, J.C.; et al. L423**
Keratinizing potential. Cafesse, R.G., and Karring, T. L277**
Keratinizing squamous oral epithelium. Squier, C.A. L235**
Marijuana and oral epithelium. Warnock, G.R., and Shalla, C.L. 512**
Mitochondria. de Rey, B.M., and Cabrini, R.L. 632*
Oral. Wyk, C.W., van 690*
PAS† in palatal epithelium. Meller, S., and Waterman, R.E. 153**
Palatal epithelium. Moore, H.G.; et al. 154**
Palate formation. Moore, H.; et al. C110T
Proteins and nucleic acids. Conti, C.J.; et al. 633*
X-rays and lingual epithelium. de Rey, B.L., and Klein-Szanto, A.J. 631*
ESKIMOS
Canadian Inuit caries experience 1969-1973. Mayhall, J.T. 1245†
ESTERASES
Esterase from mouse. Schuster, G.S.; et al. 903†
Mouse trigeminal ganglion neurons. Thornburg, L.P., and Hanker, J.S. 370**
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
Submandibular-gland esteropeptidase. Chakrabarti, S.G.; et al. 948
Submandibular gland granule-rich fraction. Hanks, C.T., and Chakrabarti, S.G. 938
ETHANEHYDROXYDIPHOSPHONATE
EHDP and osteoclast nuclei. Jee, W.S.; et al. 242**
EUGENOL
Anti-inflammatory activity of eugenol. Dewhirst, F.E., and Goodson, J.M. 405**
EVALUATION STUDIES
Caries studies. Fischman, S.; et al. 579**
Process-performance. Gaines, W.G.; et al. L550**
Technic product assessment. Lorey, R.E.; et al. 384**
EXTRACHROMOSOMAL INHERITANCE
DNA in bacteroides. Damle, S.P., and Syed, S.A. 237**
Plasmid transfer in streptococcus. Dunny, G.M., and Clewell, D.B. 238**

FACE
Abnormalities
Otocraniofacial syndromes. Aduss, H., and Pruzansky, S. L175**
TAC and craniofacial malformations in monkeys. Hendrickx, A.G.; et al. 35**
Anatomy & histology
Face height and age. Nasjleti, C.E., and Kowalski, C.J. 1241†
Head posture. Solow, B., and Tallgren, A. L179**
FACIAL EXPRESSION
Taste stimuli. Brightman, V.J. L564**
FACIAL MANIFESTATIONS
Orofacial manifestations in sickle cell anemia. Biederman, P.D. 26**
FASTING
Fasting and parotid saliva protein. Dawes, C. L200**
FATTY ACIDS
Fatty acids, NH_3 and hela cells. Howden, G.F. L17**
Fatty acids in lipopolysaccharides. Rietschel, E.T.; et al. L214**
Free fatty acids in saliva. Ward, M.E.; et al. 59**
Gingiva. Poovaiah, B.P., and Goodson, J.M. L510**
Gram and rods. Amdur, B.H.; et al. 625**
Lipid fatty acids. Cloutier, P., and Johansen, E. 410**
Lipids and fatty acids in pulp. Larson, L.R.; et al. 411**
FEEDBACK
Biofeedback in centric relation trials. Appleberry, E.A.; et al. 176**
Bruxism. Kardachi, B., and Clarke, N.G. 654*
FIBROBLASTS
Cytotoxic effects. Goldschmidt, P.R.; et al. L502**
Dermatosparactic calves. Yaeger, J.; et al. L238**
Diphenylhydantoin and fibroblasts. Keith, D.A.; et al. 305**
Fibroblast attachment to root. Aleo, J.J.; et al. 299**
Fibroblasts and lysosomal enzymes. Cogen, R.B., and Taubman, S.B. 314**
Periodontal ligament. Beertsen, W. 666*
FINGERSUCKING
Molar relations in preschool children. Infante, P.F. 723
Oral EMG. Vitti, M.; et al. 844
FISHES
Dental anatomy. Shellis, R.P., and Berkovita, B.K. L368**
Tooth replacement in trout. Berkovitz, B.K., and Moore, M.H. L188**
FLUORESCEINS
Fluorescein in hamsters. Schwartzman, R.M.; et al. 513**
FLUORESCENT ANTIBODY TECHNIC
S mutans identification. Jablon, J.M.; et al. 340**
FLUORIDATION
F vs diet and caries. Larson, R.H., and Amsbaugh, S.M. 294**
Fluoridation in Connecticut. Castaldi, C.R., and Pelletier, B.A. 156**
Preventive dentistry. Bognore, R., and Gift, H. L146**
School water supply. Walker, P.O., and Demello, F. 692T
Sealant and fluoridation. Cons, N.C.; et al. L312**
FLUORIDES
Alveolar bone. Mauger, G., and Baron, R. 675*
Amine fluorides in dogs. Yankell, S.L.; et al. 508**

Beverages, erosin and molar fluoride. Shabat, E.; et al. 426†
Caries. Plasschaaert, A.J., and Poort, H.W. 671*
Effects of boron and fluoride on caries. Liu, F.T. 97
Enamel F and caries. Charlton, G.; et al. 655**
Enamel F, DMF and fluorosis. Bischoff, J.I., and Merwe, E.H., van der 682*
F and bone resorption. Ikeda, K.; et al. L115**
F and ^{45}Ca in teeth. Barry, S.C., and Stiles, H.M. 537**
F on enamel. Mellberg, J.R.; et al. 291**
F, sucrose and caries. Ostrom, C.A.; et al. 292**
F varnish. Murray, J.J.; et al. L147**
Hydroxyapatite solubility. Duke, S.A., and Forward, G.C. L107**
Life of enamel. Weatherell, J.A.; et al. L540**
Microhardness of cementum & fluoride exposure. Stepnick, R.J., and Gettleman, L. 905†
Nontoxic doses of F and Sn salts & rat liver metabolism. Allmann, D.W.; et al. 189†
Oral absorption of ^{18}F and ^{131}I in rats. Patten, J.; et al. 286**
Renal clearance of F^-. Whitford, G., and Stringer, G. 288**
Renal concentrating ability defect. Whitford, G., and Stringer, G. 287**
RES clearance of colloidal gold. Whitford, G.; et al. 285**
NaF and cAMP excretion. Hornstad, H.; et al. L39**
NaF, cyclic AMP and glucose metabolism. Allmann, D.W., and Benac, M. L32**
Soft drinks. Enno, A. 655*
Solubility of fluorapatite. 2. Hagen, A.R. 384
Streptococci in plaque and F. Schamschula, R.G.; et al. 652*

Analysis
Age and enamel fluoride. Aasenden, R. 540**
Cooking vessels and fluoride. Full, C.A., and Parkins, F.M. 192†
Enamel microsampling device. Wei, S.H., and Wefel, J.S. 201
F in dog parotid saliva. Feller, R.P., and Shannon, I.L. 1213
F in enamel. Arends, J. et al. 671*
F in fluoresed teeth. Lex, C. 671*
Si and F in enamel. Levy, J.S., and Koritzer, R.T. 443**

Pharmacodynamics
Dietary fats and amine fluorides in rats. Dolan, M.M.; et al. 514**

Therapeutic use
Fluoride and caries in rats. Hunt, C.E.; et al. 289**

FLUORIDES, TOPICAL
Al, F and caries. Navia, J.M., and Hunt, C.E. L310**
Antibacterial action of SnF_2. Andres, C.; et al. 584**
Apatite electrochemistry. Phillips, S.; et al. 542**
Apatite fluoride. Caslovska, V.; et al. 541**
Caries reduction in rats. Luoma, H., and Nuuja, T. L309**
Effect of acid etch on $Sn_2F_3PO_4$ formation. Nordquist, W.D. 1154
Effect of conditioning on enamel. Kochavi, D.; et al. 304
Effects of xerostomia on oral microbes. Brown, L.R.; et al. 740
Experimental caries. Edgar, W.M.; et al. L306**
Experimental cariogenesis. Koulourides, T.; et al. L307**
F and enamel. Keller, S.; et al. L308**
F and resin-enamel bonding. Kochavi, D.; et al. C98*
F gels. Shern, R.J.; et al. 290**
F, plaque and enamel. Kirksgaard, E.; et al. L543**
F rinses and caries. DePaola, P.F.; et al. L311**
F tablets and caries. Driscoll, W.S.; et al. 580**
F therapy with enamel conditioning. Katz, S. 696†
Fluoridation before sealant application. Chow, L.C., and Brown, W.E. 1089†
NH_4F, APF and enamel. Wei, S.H.; et al. 1234†
Plaque and gingival fluid. DePalma, P.D.; et al. 603**
Residual fluoride in human teeth. Ehrlich, J; et al. 897
Restoratives. Brown, D. L148**
S mutans in plaque. Woods, R.G. 650*
S sanguis. Kashket, S., and Rodriguez, V.M. 624**
SEM of F-treated dentin. Tal, M.; et al. C98*
Sn, F and enamel. Meckel, A.H. L542**
SnF_2 and post irradiation caries. Wescott, W.B.; et al. 578**
$Sn_3(OH)(O)PO_4$ crystal. Jordan, T.H.; et al. 128**
Toxicity of amine fluoride. Kavanagh, B.J.; et al. 507**

Analysis
F in enamel. Mellberg, J.R.; et al. 293**

Metabolism
Topical fluoride and enamel. Ehudin, H., and Soni, N.N. 538**

Pharmacodynamics
Drug dynamics & oral soft tissues. Gjermo, P. B44
TiF_4 in amalgam and S mutans. Pape, H.R., Jr.; et al. 336**

Therapeutic use
DCPD formation in topical F treatments. Chow, L.C., and Brown, W.E. 65
NaF dentifrice & caries in children. Stookey, G.K., and Beiswanger, B.B. 53
Topical fluoride applications in rats. Poulsen, S., and Larson, R.H. 160

FLUORINE
Fl, Ti & organic material. Bibby, B.G., and Little, M.F. B137

FLUOROURACIL
Fluorouracil and cranial base. Cho, H.W.; et al. 477**
Polyribonucleotides in rat parotid. Han, S.S.; et al. L391**

FOOD
Food, lymphocytes and periodontitis. Radentz, W.H.; et al. 315**
Rat molars. Tagger, M. C97*
Snack food texture and caries. Lopez, H.; et al. 434**

FRACTURES
Osteogenesis at fracture sites. Nurang, R. 247**

FREEZING
Potential of frozen marrow culture cells. Nelson, S.W. 265

FROGS
Odontogenesis in frogs. Chibon, P., and Spinelli, M. L242**

FUCOSE
Fucose uptake in rabbit palates. DePaola, D.P.; et al. 912†

FUCOSYLTRANSFERASE
Glycoprotein fucosyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 417†

FUNGI
Fungal dextranase. Simonson, L.G. 61**

FUROSEMIDE
Furosemide and electrolytes. McNerny, R.H.; et al. 395**

GALLIUM
Adhesive and sealing properties of gallium alloy. Saito, C., and Fusayama, T. 916†

GANGLIA
Mouse embryonic trigeminal ganglion. Peach, R., and Koch, W.E. 374**
Transport of peroxidase. Furstman, L. 372**

GASTRIN
Control of salivary amylase. Ferguson, M.M. L1**
Gastrin and adenylyl cyclase. MacPhee, G.B.; et al. L197**

GEL DIFFUSION TESTS
Electro immunodiffusion for IgA in saliva. Setterstrom, J.A., and Gross, A. 56**
Parotid fluid, immunodiffusion and oropharyngeal irradiation. Young, S.K.; et al. 55**

GENETICS
Resistance of CD mice fetuses to teratogenic effects of cortisone. Loevy, H.T. 25**

GENETICS, HUMAN
Dental arch width in twins. Rosenberg, J.J., and Green, L.J. 31**
Form and shape. Guenther, H.L.; et al. L55**
Genetic determinants of antimeric teeth in twins. Potter, R.H.; et al. 28**

Major genes and human dentition. Kolakowski, D., and Bailit, H. 32**
Sib studies of malocclusion in Hawaii. V. Chung, C.S., and Niswander, J.D. 324
GERM-FREE LIFE
Immunization and bone loss. Crawford, J.M.; et al. L274**
GINGIVA
Actinomycin. Demcisak, B.A.; et al. 631**
Appraisal of gingival color. Powers, J.M.; et al. 82**
Bacterial enzymes. Helderman, W.H. L427**
Basal lamina and connective tissue. MacCallum, D.K.; et al. L26**
Bovine collagens. Furuto, D., and Schneir, M. 91**
Cellular investigation. Skapsi, H., and Lehner, T. L256**
Change in gingival health. Watts, T.L.; et al. L462**
Collagen in gingiva. Takahashi, T.; et al. C102*
Contraceptive hormones. Gammal, E.B., and Galil, K.A. 598**
Cortisol metabolism. ElAttar, T.M. 599**
Diabetes mellitus. Bernard, G., and Sakabu, S. 595**
Elongated teeth. Talari, A., and Ainamo, J. L363**
Endotoxins and gingival cells. Barbanell, R.L.; et al. 204**
Epinephrine absorption. Houston, J.B., and Mettler, L. 400**
Fibers in dog gingiva. Soames, J.V., and Davies, R.M. L418**
Fibroblast attachment to root. Aleo, J.J.; et al. 299**
Gingiva. Poovaiah, B.P., and Goodson, J.M. L510**
Glutaminase activity. Blumenthal, N. L127**
Glycolitic enzyme kinetics in gingiva. Organ, R.; et al. 84**
Heparin in dog gingiva. Lucas, O.N. L419**
Herpes simplex virus. Fletcher, R.D. L300**
Malic dehydrogenase in rat gingiva. Egnor, R.W.; et al. 94**
Mast cell degranulation. Farnoush, A. L132**
Mast cells in monkey gingiva. Nuki, K., and Farnoush, A. 202**
Mechanical loading. Fleisch, L., and Austin, J. 685*
Metabolism of steroids. ElAttar, T.M. L425**
Oral hygiene and gingiva. Demetriou, N.A. L461**
Pathways for glucose metabolism in the rat gingiva. Simpson, J.W. 190†
Procollagenase from bovine gingiva. Birkedal-Hansen, H.; et al. 85**
Proline. Orlowski, W.A., and Masi, C.W. L24**
Protein transport. Steinberg, A.D.; et al. L421**
Salt and acetic acid extraction of collagen. Schneir, M.; et al. 1095†
Steroid binding protein. Bashirelahi, N.; et al. L509**
Tissue culture. Mlinek, A., and Buchner, A. C96*
Tissue healing. Manhold, J.H.; et al. L21**
Topical antigen and gingiva. Paicanis, K.G., and Ranney, R.R. 312**
Blood supply
Epinephrine. Kinnen, E.; et al. 597**
Cytology
Gingival cytology of young smokers. Lainson, P.A., and MacKenzie, I.C. 73**
Drug effects
Amalgam and gingiva. Barrickman, R.W., and Wawerka, C. 62**
Amalgam tatoos. Hendy, J.A., and Lugassy, A.A. 77**
Enzymology
Citric acid cycle enzymes in gingiva. Bergquist, J.; et al. 92**
Enzymes in gingiva. Ratliff, M.; et al. 93**
Transplantation
Free gingival autografts. Dordick, B.; et al. 295**
Periodontal flap design. Price, A.M., and Stallard, R.E. 296**
Ultrastructure
Endotoxin and gingiva. Fulton, R.S.; et al. 207**
GINGIVAL EXUDATE
At pre- and post-puberty. Biswas, S.; et al. 609**
Cellular investigation. Skapsi, H., and Lehner, T. L256**
Cl in exudate. Courts, F.J.; et al. C110T
Fluoride mouthrinse. DePalma, P.D.; et al. 603**
Mononuclear cells. Wilton, J.M.; et al. L501
Staining technics. Suppipat, N. L258**
GINGIVAL HYPERPLASIA
Diphenylhydantoin gingival hypoplasia. Staple, P.H., and Reed, M.J. 406**
Toothbrushing and epilepsy. Russell, B., and Bay, L. L456**
GINGIVECTOMY
Gingival healing. Fonseca, M.M.; et al. 641*
KOH, gingivectomy and wound healing. Stokes, J.C.; et al. 415†
Non-surgical periodontitis therapy. Waite, I.M. L5**
GINGIVITIS
Alexidine mouthwash. Formicola, A.; et al. 600**
Alexidine mouthwash. Spolsky, V.W., and Forsythe, A.B. 601**
Alexidine, plaque and gingivitis. Weatheford, T.W., III; et al. 329B**
Bacteriology of plaque in gingivitis. Syed, S.A.; et al. 109**
Cathepsin D. Jotterand, H.; et al. L23**
DPH and gingival response. Conard, G.J.; et al. B68
Endotoxin in gingivitis. Kenner, M.F.; et al. 205**
Gingival disease in youths. Campabadal, M.B.; et al. 636*
Gingivitis in dogs. Rylander, H., and Lindhe, J. L282**
Gingivitis to periodontitis in marmosets. Grant, D.; et al. 200**
Glutaminase activity of inflamed human free gingiva. Blumenthal, N. C93
Immunosuppression. Kryger, G.; et al. L505**
In dogs. Schroeder, H.E.; et al. L20**
Iodine. Kligerman, B.A., and Bissada, N.F. 602**
LPS blastogenesis in gingivitis. Gaumer, H.R.; et al. 101**
Lymphocytes in gingivitis. Holthuis, A.F.; et al. 307**
Mental retardation. Barker, D., and Brown, H. 643*
PBL, PHA-P and gingivitis. Lang, N.P., and Smith, F.N. 318**
Plaque and gingivitis. de Funosas, S.S.; et al. 636*
Plaque and gingivitis. de Giola, E.N., and Quirch, J.S. 636*
Plaque in gingivitis. Loesche, W.J., and Syed, S.A. 108**
Plaque-susceptible rats. Ito, N.; et al. 425†
Povidone-iodine and saline. Duany, L.F.; et al. 581**
Prevention & control
Caries and gingivitis. Axelsson, P., and Lindhe, J. L475**
Prophylaxis. de Ciola, E.N., and Quirch, J.S. 635*
GLOBULINS
Microglobulin in Sjogren's syndrome. Daniels, T.E.; et al. 529**
GLOSSECTOMY
Glossectomy and condylar growth. Bernard, C. Simard-Savoie, S. 478**
GLUCAGON
Cathepsin D from bovine uterus & pulp. Schwabe, C. 371
GLUCANS
Glucan synthesis inhibitor assay. Sharma, M.; et al. 263**
Glucosaminoglucans. Barcelo, A.C.; et al. 637*
S mutans glucans. Trautner, K., and Bramstedt, F. L68**
Stimulation of lymphocytes. Ivanyi, L., and Lehner, T. L265**
GLUCOCORTICOIDS
Hyperglucocorticosteroidism and epiphyseal plate. Livne, E., and Silbermann, M. L118**
GLUCOSAMINE
Tritiated glucosamine. Kimmel, D.B.; et al. 241**
GLUCOSAMINIDASE
Glucosaminidase in rat ligament. Dorey, C.K., and Bick, K.L. 195**
GLUCOSE
Glucose metabolism. Yamada, T., and Carlsson, J. L296**
Glucose transport in S mutans. Schachtele, C.F. 330

NaF, cyclic AMP and glucose in rat liver. Allman, D.W., and Benac, M. 284**
NaF, cyclic AMP and glucose metabolism. Allman, D.W., and Benac, M. L32**
Pathways for glucose metabolism in the rat gingiva. Simpson, J.W. 190†
Analysis
Glucose tolerance tests, cyclic AMP and salivary glucose. Sproles, A.C., and Schaeffer, L.D. 49**
Parotid glucose secretion. Feller, R.P., and Shannon, I.L. 50**
GLUCOSE TOLERANCE TEST
Glucose tolerance tests, cyclic AMP and salivary glucose. Sproles, A.C., and Schaeffer, L.D. 49**
GLUCOSYLTRANSFERASES
Antigenicity. Schick, H.J., and Zwisler, O. L399**
Glucan synthesis. Linzer, R., and Slade, H.D. 524**
Immunization with transferases. Bahn, A.N.; et al. 525**
Inhibition of glucosyltransferase. Russell, M.W.; et al. L398**
Oligosaccharides. Newbrun, E.; et al. L72**
Streptococcus. Klein, J.P., and Guinard, M. L75**
S mutans glycosyltransferases. Sharma, M.; et al. L74**
GLUCURONIDASE
Pocket anaerobes and β-glucuronidase. Chavrier, C.A., and Ribaux, C.L. L70**
GLUTAMINASE
Glutiminase activity of inflamed human free gingiva. Blumenthal, N. C93
Inflamed gingiva. Blumenthal, N. L127**
GLYCEROPHOSPHATES
Plaque chemistry. Stephen, K.W.; et al. L89**
GLYCINE
Effect of glycine on caries and lipids. Das, S.K., and Harris, R.S. 987
GK-101 in caries removal. Schutzbank, S.G.; et al. 907†
GK-101, NaOCL and salivary amylase. Cushner, S.C.; et al. 63**
GLYCOLYSIS
Glycolitic enzyme kinetics in gingiva. Organ, R.; et al. 84**
GLYCOPEPTIDES
A hydrophobic glycopeptide (AHG). Mikulski, A.J., and Urist, M.R. 248**
GLYCOPROTEINS
Anionic submaxillary glycoprotein. Sturman, I.M.; et al. 264**
Ca precipitable. Belcourt, A., and Klein, J.P. 674*
CMP: glycoprotein sialyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 188†
Enzymes and salivary glycoproteins. Toms, P.K., and Leach, S.A. L97**
Glycoprotein and hydroxyapatite. Hofsdy, H.; et al. L98**
Glycoprotein biosynthesis & palate fusion. DePaola, D.P.; et al. 1049
Glycoproteins in rat saliva. Embery, G., and Whitehead, E. L99**
Parotid saliva. Boersma, A.; et al. 674*
Proline-rich glycoproteins. Balekjian, A.Y., and Longton, R.W. L101**
GOLD
Foil and powdered gold. Kirkwood, J., and Makinson, O.F. 648*
Gold in Ag_2Sn-amalgam. Malhotra, M.L. 1099†
RES clearance of colloidal gold. Whitford, G.; et al. 285**
GOLD ALLOYS
Nonprecious type III alloy. Caputo, A.A., and Reisbick, M.H. 428†
Solder-casting zone. Wictorin, L. L449**
GOLGI APPARATUS
Golgi tendon organs. Touloumis, C. 257**
GRAM NEGATIVE BACTERIA
Gram-anaerobic rods. Newman, M.G.; et al. 213**
Inhibition of gram-negative rods. Stiles, H.M., and Rundell, B.B. 191†
Serologic reactions. Hawley, C.E., and Falkler, W.A., Jr. L212**
GRAM POSITIVE BACTERIA
Fatty acids. Amdur, B.H.; et al. 625**
Oral gram and rods. Sanyal, B.; et al. L215
GRANULOMA
SEM of periapical cysts and granulomas. Farber, P.A. 614-A**
GROUP PRACTICE, DENTAL
Educational programs. Moltzer, G. L555**
GUAM
Trifurcated molars. Hochstetter, R.L. 1097†
GUANOSINE DIPHOSPHATE FUCOSE
Glycoprotein fucosyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 417†
GUTTA-PERCHA
Properties of gutta-percha points. Friedman, C.M.; et al. 921
Thermal analysis of gutta-percha. Rootare, H.M.; et al. 143**
HAEMOPHILUS
Haemophili and neuraminidase activity. Tuyau, J.E., and Sims, W. 737
HALITOSIS
Instrumental evaluation of mouth odor. Solis-Faffar, M.C.; et al. 351
Reduction of malodour. Tonzetech, J., and Ng, S.K. 71**
Sulfur and mouth odor. Schmidt, N.F.; et al. L381**
HAND
Sex and hand and wrist asymmetries. Auyang, S.M., and Harvold, E.P. 29**
HARDNESS TESTS
Microhardness of cementum & fluoride exposure. Stepnick, R.J., and Gettleman, L. 905†
HEAD
Head posture. Solow, B., and Tallgren, A. L179**
HEADACHE
Acupuncture and headache. Børglum Jensen, L.; et al. L471**
HEALTH EDUCATION, DENTAL
Children's dental slide show. Kelly, T.; et al. 164**
Dental health content of textbooks. Freed, J.R., and Goldstein, M.S. 165**
Educational programs. Moltzer, G. L555**
School dental health program. Carter, H.G.; et al. 163**
Toothbrushes. McAllan, L.; et al. L556**
Toothkeeper program. Fishman, S.R. 162**
HEART RATE
Heart rate in dental care. Rosenberg, H., and Katcher, A. 487**
Local anesthetics. Germishuys, P.J. 685*
HEAT
Pulp temperature & modelling compound. Grajower, R.; et al. 212
HELA CELLS
Cytotoxic effects. Goldschmidt, P.R.; et al. L502**
Fatty acids, NH_3 and hela cells. Howden, G.F. L17**
HEMODIALYSIS
Caries prevalence. Renson, C.E., and Mercer, C.E. L339**
HEPARIN
Heparin in dog gingiva. Lucas, O.N. L419**
HEPATITIS
Type B hepatitis. White, E.; et al. 531**
HEROIN ADDICTION
DMF teeth and heroin. Picozzi, A.; et al. 491**
HERPESVIRUS HOMINIS
Herpes antigens. Shillitoe, E.J.; et al. L266**
Herpes simplex virus. Fletcher, R.D. L300**
Herpes simplex virus DNA. Shipman, C., Jr.; et al. L302**
HEXOBARBITAL
Hexobarbital sleeping times in mice. Rinchuse, D.J., and Smudski, J.W. 926
HIGH SPEED DENTAL EQUIPMENT
High speed handpiece. Lloyd, B.A.; et al. 185**
HIGH SPEED DENTAL TECHNIC
Marginal fractures during cutting. Brown, W.S.; et al. 186**
Hg during amalgam cutting. Battistone, G.C.; et al. 503**

HISTAMINE
Endotoxin in gingivitis. Kenner, M.F.; et al. 205**
HISTIDINE
Epithelium proteins. Baratz, R.S.; et al. L232**
HISTOLOGICAL TECHNICS
Oriented sections. Cabrini, R.L., and Cabaleiro, E.B. 631*
HISTONES
Calcitonin and bone cell non-histones. Bustos, S.E. 261**
HL-A
HL-A2 and periodontal diseases. Kaslick, R.S.; et al. 424†
HODGKIN'S DISEASE
Periodontal changes. Siegal, D.E.; et al. L512**
HORMONES
Hormones and salivary ducts. Rins de David, M.L.; et al. 638*
HUMERUS
Steroid and humerus. Lindenbaum, E.; et al. L117**
HUMIDITY
Orthodontic direct bonding materials. Khowassah, M. A.; et al. 146
HYALIN SUBSTANCE
Keratokyaline granules. Baker, R.; et al. 255**
HYALURONIDASE
Dentinogenesis imperfecta. Velley, J. 662*
Intrusion of incisors. Wills, D.J.; et al. L417**
HYDROCHLORIC ACID
Adhesive penetration in white spots. Davila, J.M.; et al. 999
HYDROCOLLOIDS
Airborne hydrocolloids. Woody, R.D.; et al. 363**
HYDROCORTISONE
Gingival inflammation. ElAttar, T.M. 599**
^{3}H corticoids in A/Jax mouse tissues. Spain, K.M.; et al. 1069
Hydrocortisone cleft palate. Shah, R.M. L49**
Blood cortisol levels & oral surgery. Bunch, F.L.; et al. 965
HYDROLASES
Acid hydrolase, palate and mandible. Delbalso, A.M., and Kauffman, F.C. 152**
Actinomyces levan hydrolase. Warner, T.N., and Miller, C.H. 115**
BAPN, acid hydrolases and oro-facial structures. Kauffman, F.C., and Delbalso, A.M. 150**
HYDROXYAPATITES
Collagen on hydroxyapatite. Nawrot, C., and Campbell, D.J. 349B**
ESR of hydroxyapatite. Mengeot, M.; et al. 127**
Fluoride uptake. Duke, S.A., and Forward, G.C. L107**
Glycoprotein and hydroxyapatite. Hofsdy, H.; et al. L98**
Hydroxyapatite dissolution. Fawzi, M.; et al. 449**
Protein adsorption on hydroxyapatite. Belcourt, A. L95**
Rotating disc studies. Wu, M.S.; et al. L538**
Sialoglycoproteins. Roukema, P.A., and Oderkerk, C. H. L388**
Sodium monofluorophosphate. Forward, G.C.; et al. L104**
Solubility of fluorapatite. 2. Hagen, A.R. 384
Solubility of tooth enamel. Patel, P.R., and Brown, W.E. 728
S mutans and hydroxyapatite. Magnusson, I., and Ericson, T. L531**
Streptococci and hydroxyapatite. Herbison, R.J. L133**
Streptococci binding to hydroxyapatite. Liljemark, W. F., and Schauer, S.V. 269**
Trace elements & dissolution by S mutans. Herbison, R.J., and Handelman, S.L. 1107
HYDROXYQUINOLINES
Inhibition of plaque formation. Greenberg, J.M., and Turesky, S.S. 629**
HYPERTENSION
Salivary Na and aldosterone in hypertension. Wotman, S., and Baer, L. 52**
HYPOCALCEMIA
Hypocalcemia and keratinisation. Kaqueler, J.C.; et al. L423**
HYPOTHYROIDISM
Jaws. Dreyer, C.J., and Preston, C.B. 683*
Monkey cephalometry. Preston, C.B., and Dreyer, C. J. 688*
IGA
Caries Ørstavik, D., and Brandtzaeg, P. L396**
Complement reactivity. Boackle, R.J., and Silverman, M.S. C110T
Current research on oral fluids. Shannon, I.L., and Suddick, R.P. B8
Electro immunodiffusion for IgA in saliva. Setterstrom, J.A., and Gross, A. 56**
IgA during cytotoxic therapy. Friedman, B.K., and Mandell, C. 97**
IgA in jaw cysts. Skaug, N., and Hofstad, T. L272**
Oral hygiene and salivary IgA. Suddick, R.P.; et al. 98**
Periodontitis and hygiene. Demetriou, N.A.; et al. 666*
SEM of S mutans IgA. Riviere, G.R., and Cotton, W.R. L393**
ILIUM
Bone marrow transplants. Stabholz, A.; et al. C96*
Ilium vs rib in grafting. Roser, S.M.; et al. 430**
IMMUNIZATION
Immunization and bone loss. Crawford, J.M.; et al. L274**
Salivary antibodies. Molinari, J.A.; et al. L294**
IMMUNODIFFUSION see GEL DIFFUSION TESTS
IMMUNOGLOBULINS
Cesium irradiation and immunoglobulins. Friedman, B.K., and Greenberg, B. 96**
Human saliva. Challacombe, S.J.; et al. L395**
Immunoglobulins in minor salivary gland secretions. Crawford, J.M.; et al. 53**
Parotid fluid, immunodiffusion and oropharyngeal irradiation. Young, S.K.; et al. 55**
Plaque. Klein, J.P.; et al. 661*
Radiation-induced xerostomia. Brown, L.R.; et al L270**
Subgingival bacteria and immunoglobulins. Nisengard, R.J., and Jarrett, C. 310**
IMMUNOLOGY
Bacteria. Gaumer, H.R. 692T
Immunology and human and monkey salivas. Ellison, S.A. 54**
INCISOR
Bilateral rotation. Escobar, V.; et al. L367**
Cell proliferation. Robins, M.W. L233**
Composite resin fracture restorations. Draughn, R.A. 17**
Fractionated radiation & rat's incisor. Horn, Y.; et al. 378
Irradiation and mouse incisor. Gartner, L.P.; et al. 367**
Little finger width. Barrowman, R. 682*
Mandibular incisor-plane angle. Harris, J.E.; et al. 699†
Mg deficiency, cortisone and incisor. Kiely, M.L., and Salkin, E.S. 326**
Microleakage of repaired fractured incisors. Brose, J.; et al. 21**
Physiology of rat incisor. Michaeli, Y.; et al. 891
Radioautographic study of high speed. Searls, J.C. 174
SEM study of dentinoenamel junction. Sela, J.; et al. 110
Stabilization age of incisor crowns. Pruhs, R.J.; et al. 698†
23 elements in rat incisors. Rasmussen, E.G. L105**
INDIANS, NORTH AMERICAN
Dental caries in Apache children. Infante, P.F.; et al. 915†
Enamel hypoplasia in prehistoric Indians. Schulz, P.D., and McHenry, H.M. 913†
INDIANS, SOUTH AMERICAN
Molar size sequence in the Peruvian Indian. Goaz, P.W. 1091†
INFECTIONS
Extractions in acute infections. Martis, C.S., and Karakasis, D.T. 59

INLAYS
Gold onlays to enamel. Pameijer, C.H., and D'Ambrosio, H.P. L333**
Onlay and inlay design. Fisher, D.W., and Caputo, A.A. 187**
INSECTIVORA
Pigment in teeth of pygmy shrew. Lunt, D.A., and Noble, H.W. 1087†
INSULIN
Cathepsin D from bovine uterus & pulp. Schwabe, C. 371
INSURANCE, DENTAL
Capitation model. Marcus, M., and Bleich, D. 38**
Operational costs of prepaid dental care. Hughes, M. L., and Legler, D.W. 40**
Public opinion on dental care in National Health Plan. Rayner, J.F. 46**
Utilization of health service. Hughes, M.L., and Legler, D.W. L288**
INTERNATIONAL ASSOCIATION FOR DENTAL RESEARCH
Award winning papers C71
Awards offered by IADR C112
Divisional, sectional and group abstracts and titles of papers presented:
American Association for Dental Research C33
Argentine Division 630
Australia-New Zealand 642
Continental European Division 659
Israeli Division C96
Japanese Division C100
New Zealand Section 658
South African Division 680
Fifty-third General Session
Addenda C24
Committee reports C14
Council meeting C9
President-elect's message C6
Proceedings C5
IODIDES
Oral absorption of ^{18}F and ^{131}I in rats. Patten, J.; et al. 286**
IODINE
Plaque and gingivitis. Kligerman, B.A., and Bissada, N.F. 602**
IODINE ISOTOPES
Duct ligation and I^{131} uptake. Davison, T.A.; et al. 638*
IRON
Iron depletion. Rennie, J.S., et al. L490**
Pigment in teeth of pygmy shrew. Lunt, D.A., and Noble, H.W. 1087†
ISOAMYLASE
Isoamylases in Sjogren's syndrome. Wolf, R.O.; et al. 390**
ISOPROTERENOL
Acinar cells, isoproterenol and parotid gland. Klein, R.M., and Harrington, D.B. 567**
Adenil ciclase and DNA. Catanzaro, O.L., and Flawia, M.S. 637*
Circadian rhythm in protein secretion. Abe, K., and Dawes, C. L198**
Isoproterenol and cell cycle. Harrington, D.B., and Klein, R.M. 414**
Isoproterenol and salivary protein. Menaker, L.; et al. 568**
PTE isoproterenol, DBcAMP and bone. Mills, B.G. 415**
Rat parotid acinar cells. Klein, R.M., and Harrington, D.B. L207**
Salivary composition. Mandel, I.D. B27
Submandibular gland. Feiglin, B. 646*
Salivary gland enlargement. Krawkowski, A., and Schaeffer, L.D. L206**
ISOTOPE LABELING
Radioactive iodination of proteins. Wood, F.T. C86

JAW
Movement velocity. Lewin, A.; et al. 686*
Unconstrained movement. Lewin, A.; et al. 686*
JAW NEOPLASMS
IgA in jaw cysts. Skaug, N., and Hofstad, T. L272**
JEWS
Hypodontia: a polygenic trait. Chosack, A.; et al. 16

KALLIKREIN
Acidic protein from saliva. Leavitt, C.A., et al. L96**
Esterase from mouse. Schuster, G.S.; et al. 90†
Kallikreins in rat glands. Orstavik, T.B.; et al. L202**
KANAMYCIN
Kanamycin, S mutans and caries. Loesche, W.J.; et al. 335**
KERATIN
Hypocalcemia and keratinisation. Kaqueler, J.C.; et al. L423**
Keratinosomes. González, L.F.; et al. 194**
KIDNEY
Caries prevalence. Renson, C.E., and Mercer, C.E. L339**
Renal clearance of F^-. Whitford, G., and Stringer, G. 288**
KIDNEY CONCENTRATING ABILITY
Renal concentrating ability defect. Whitford, G., and Stringer, G. 287**
KININS
Endotoxin in gingivitis. Kenner, M.F.; et al. 205**

LACTATES
Neisseria. Hoshino, E.; et al. C102*
Oligopeptide and lactate. Kaneko, K., and Mishiro, Y. C102*
S mutans. Mikx, F.H., and Hoeven, J.S., van der 660*
LACTOBACILLUS
Diet duration and plaque variation. Dennis, D.A.; et al. 716
Lactobacilli and enamel lesions. Abramovich, A.; et al. 634*
Manitol excretion. Kornman, K.S., and Loesche, W.J. 634**
Quantity and microbial composition of plaque. Staat, R.H.; et al. 872
LASERS
Intraoral topography. Altschuler, B.; et al. 172**
Laser fusion of casting alloys. Preston, J.D., and Reisbick, M.H. 232
LATHYRISM
Bone mineralization in lathyrism. Goren, A.D.; et al. 561**
Physiology of rat incisor. Michaeli, Y.; et al. 891
LEAD
Lead in calcifying tissues. Claman, L.; et al. 535**
LEUKEMIA, LYMPHOCYTIC
Cesium irradiation and immunoglobulins. Friedman, B.K., and Greenberg, B. 96**
LEUKOCYTES
Aphthous stomatitis and Behcet's disease. Hooks, J.J.; et al. 102**
Complement, leukocytes and bacteria. Tsai, C.C.; et al. 317**
Leukocyte migration. Bowles, R.D.; et al. L257**
Leucocyte migratory rate. Hase, M. 646*
LMC of oral cancer. Brown, A.M.; et al. 104**
S mutans and leukocytes. Taichman, N.S.; et al. L255**
LEUKOCYTOSIS
Origin of leukocytes. Williams, D.M. L498**
LEUKOPLAKIA
Feulgen microspectrophotometry. Doyle, J.L., and Manhold, J.H. 1196
Herpes antigens. Shillitoe, E.J.; et al. L266**
White lesions and carcinoma. Keszler, A., and Cabrini, R.L. 640*
LEVAMISOLE
Levamisole for stomatitis. Olson, J.A., and Nelms, D. C. 576**
LEVAN
Characterization of levan. Ehrlich, J.; et al. 290
Levan formation by A viscosus. Miller, C.H.; et al. 906†
LICHEN PLANUS
Cells in lichen planus. Barnett, M.L. 196**
Follow-up. Holmstrup, P.; et al. L481**
Oral lichen planus. El-Labban, N.G., and Kramer, I. R. L477**

LIDOCAINE
Lidocaine antagonism of benzodiazepines. McFarland, S.A.; et al. 404**
Microcirculation. Ireland, R.A. 651*
Potency comparison of local anesthetic. Simard-Savoie, S. 978
LIGAMENTS
Collagen in ligament. Hoerman, K.C. L422**
LINGUAL GLAND
Lingual gland secretion. Hamosh, M., and Hand, A. R. 493**
LIP
Tongue-lip pressures in aborigines. Proffit, W.R.; et al. 1161
Upper lip. Latham, R.A., and Woods, K.A. 151**
LIPIDS
Bone and bone cell lipid synthesis. Schuster, G.S.; et al. 131
Choline deficiency and lipids. Alam, S.Q., and Alam, B.S. 397**
CPIB and lipid synthesis. Dirksen, T.R. L315**
Effect of glycine on caries and lipids. Das, S.K., and Harris, R.S. 987
Lipid fatty acids. Cloutier, P., and Johansen, E. 410**
Lipids and cell response. Heeley, J.D.; et al. 206**
Lipids and fatty acids in pulp. Larson, L.R.; et al. 411**
Lipids in salivary glands. Gray, R., and Rabinowitz, J.L. 496**
Palmitic acid in lipids. Tonnellier, P.; et al. L390**
Triton WR-1339 and bone lipid synthesis. Schuster, G.S.; et al. 412**
LIPOPOLYSACCHARIDES
LPS blastogenesis in gingivitis. Gaumer, H.R.; et al. 101**
LIPOTEICHOIC ACID
Bacteria. Knox, K.W.; et al. 626**
Endotoxin & lipoteichoic acid on bone. Hausmann, E.; et al. B94
LIVER
NaF, cyclic AMP and glucose in rat liver. Allman, D.W., and Benac, M. 284**
Nontoxic doses of F and Sn salts & rat liver metabolism. Allmann, D.W.; et al. 189†
LIVER CIRRHOSIS
Periodontal disease. Movin, S. L28**
Saliva in alcoholic cirrhosis. Abelson, D.C.; et al. 389**
LUNG DISEASES
Soft palate pigmentation. Merchant, H.W.; et al. 619**
LYMPH
Pulp lymph. Bernick, S. 409**
LYMPH NODES
Lymph node in cancer. McWilliams, R.W., and Fidler, I.J. 612**
LYMPHOCYTES
A viscosus and lymphocytes. Baker, J.J.; et al. 530**
Cellular immunity. Movius, D.L.; et al. 692T
Chromoglycic acid. Walker, D.M., and Dolby, A.E. L470**
Food, lymphocytes and periodontitis. Radentz, W.H.; et al. 315**
In lymphomas. Greenspan, J.S; et al. L269**
Leukotactic factor. Okada, H.; et al. C101*
Lymphocytes and collagenase. Robertson, P.B.; et al. 313**
Lymphocytes in gingivitis. Holthuis, A.F.; et al. 307**
Lymphocytes in periodontal disease. Mackler, B.; et al. 100**
Oral inflammatory diseases. Rogers, R.S., III; et al. L267**
PBL, PHA-P and gingivitis. Lang, N.P., and Smith, F.N. 318**
Plaque and mouse spleen lymphocytes. Chambers, D. A.; et al. 103**
Stimulation of lymphocytes. Ivanyi, L., and Lehner, T. L265**
T or B lymphocyte blastogenesis. Chan, S.P.; et al. 107**
LYMPHOID TISSUE
Lymphoid atrophy in mice. Hoffeld, J. T., and Kappler, J.W. 99**
LYPOTEICHOIC ACID
Cellular and extracellular. Wicken, A.J.; et al. 627**
LYSOSOMES
Fibroblasts and lysosomal enzymes. Cogen, R.B., and Taubman, S.B. 314**
LYSOZYME
Radiation-induced xerostomia. Brown, L. R.; et al. 1270**

MAGNESIUM
Magnesium & B matruchotii calcification. Killian, W. F., and Ennever, J. 185†
Mg deficiency, cortisone and incisor. Kiely, M.L., and Salkin, E.S. 326**
MALOCCLUSION
Class II. Kowalski, C.J. 669*
Inheritance of Class III. Kowalski, C.J., and Harris, J.E. L176**
Measuring crowding. Betteridge, M.A. L366**
Molar relations in preschool children. Infante, P.F. 723
Prevalence. Zietsman, S.T. 691*
Prominence of chin point in malocclusion. Baumrind, S., and Miller, D.M. 9**
Second molar in malocclusion. Wheeler, R.C. 83**
Unilateral cross-bite. Møller, E., and Troelstrup, B. L178**
Wits' appraisal. Jacobson, A. 685*
Familial & Genetic
Craniofacial differences between "normal" and Class II & III sibs. Harris, J.E., and Kowalski, C.J. 27**
Sib studies of malocclusion in Hawaii. V. Chung, C. S., and Niswander, J.D. 324
MANDIBLE
Acid hydrolase, palate and mandible. Delbalso, A. M., and Kauffman, F.C. 152**
Adenoids and mandible. Koski, K., and Lähdemäki, P. L180**
Analysis of stress in the mandible. Ralph, J.P., and Caputo, A.A. 814
Anatomical variation. Sutton, R.N. L183**
Bone grafts in mandible. Canzona, J.E.; et al. 429**
Fluorochrome labeling. Soni, N.N., and Henry, J.L. L125**
Growth in dog. Sullivan, P.G. L193**
Lathyric rat. Amemiya, A.; et al. C107*
Mandible in achondroplasia. Stewart, R.; et al. 475**
Mandibular growth rotation. Bhatia, S.N. L181**
Mandibular incisor-plane angle. Harris, J.E.; et al. 699†
Orthopedic forces in mandible. De Abla, J.A.; et al. 2**
Radionuclide bone imaging. Cagle, J.D.; et al. 424**
Radionuclide evaluation. Kelly, J.F.; et al. 562**
Stress distribution. Ralph, J.P.; et al. L194**
Trigeminal nerve resection. Sarnat, B.G.; et al. 472**
Blood supply
Extraction and vascular changes. Castelli, W.A., and Nasjleti, C.E. 1237†
Mandibular collateral circulation. Castelli, W.A.; et al. 708
Radiography
Mandibular canal location. Maher, W.P., and Schoonenberg, J.W. 471**
MANDIBULAR CONDYLE
Articular surface. Toller, P.A. 689*
Blood supply. Dorenbos, J. 669*
Endocytosis and ossification. Smith, M.M., and Hayward, A.F. L120**
Glossectomy and condylar growth. Bernard, D., and Simard-Savoie, S. 478**
Growth cartilages. Beresford, W.A. 417**
Rat mandible. Kawata, T.; et al. C107*
Steroid and cartilage fibrillation. Silberman, M. L119**
TMJ radiography. Kovaleski, W.C., III; et al. L243**
MANDIBULAR NERVE
Inflammed mandibular nerve. Caples, S.; et al. 375**
MANGANESE
Mn and caries. Glass, R.L., and Rothman, K.J. L334**
MANNITOL
S mutans and L casei. Korman, K.S., and Loesche, W.J. 634**

MARIJUANA see CANNABIS
MAST CELLS
Collagenase activation by proteases. Birkedal-Hansen, H.; et al. 86**
Degranulation inhibition, Farnoush, A. L132**
Mast cells in monkey gingiva. Nuki, K., and Farnoush, A. 202**
MASTICATION
Analysis, in rabbit. Baron, P.; et al. 668*
Consistency and bite size. Hiiemae, K., and Thexton, A.J. L375**
Food consistency. Thexton, A., and Hiiemae, K. L378**
Occlusal force patterns. Graf, H. L7**
MASTICATORY MUSCLES
Bite force. Rasmussen, O.C., and Møller, E. L377**
Bite raising. Murakami, S.; et al. L379**
Bite raising. Muta, R.; et al. L380**
Elevators and functional disorders. Sheik-ol-Eslam, A.; et al. L371**
Golgi tendon organs. Kawamura, Y., and Hamada, T. 654*
Golgi tendon organs. Touloumis, C. 257**
Growth, in rat. Houston, W.J. L369**
Jaw-closing force. Hannam, A.G.; et al. 694†
Latency & silence in jaw muscles. Gillings, B.R., and Klineberg, I.J. 269
Mandibular retrusion. Nairn, R.I. L517**
Masseter muscle. Goldberg, L.J.; et al. 371**
Masseteric electromyograms. Duxbury, A.J.; et al. L376**
Massetero-pterygoid sling. Laison, F.; et al. 670*
Masticatory muscle spindle of pinché. Kubota, K., and Masegi, T. 788
Masticatory muscles in TMJ syndrome. Mercuri, L.G., Lasking, D.M. 557**
Morphogenesis in rat embryo. Lemire, M. 670*
Occlusal disharmony. Tallgren, A.; et al. L373**
Occlusal interference. Funakoshi, M., and Fujita, N. L372**
Oral functions. Kawamura, Y., and Ozaki, M. L370**
Quantification of masticatory muscle dysfunction. McCall, W.D., Jr.; et al. 12**
Reproducibility of electromyograms Garnick, J.J. 867
MAXILLA
Glycoprotein biosynthesis & palate fusion. DePaola, D.P.; et al. 1049
Maxillary post-extraction changes. Gill, H.I. L182**
Blood supply
Extraction and vascular changes. Castelli, W.A., and Nasjleti, C.E. 1237†
Surgery
Maxillary osteotomy. Kennedy, J.W., III; et al. 431**
MAXILLOFACIAL DEVELOPMENT
Bone development. Harvold, E.P.; et al. L440**
Class II. Kowalski, C.J. 669*
Craniofacial development in mice. Smith, H.Z., and Smiley, G.R. 474**
Hypothyroidism. Dreyer, C.J., and Preston, C.B. 683*
Longitudinal growth in monkey. Sirianni, J.E., and Swindler, D. R. L189**
Maxillo-premaxillary region. Wadhwa, P.; et al. 253**
Normal and growth-retarded fetuses. Luke, D.A. L172**
Palatal formation. Smith, H.Z., and Smiley, G. C110T
Zygoma. Jacobs, B., and Kronman, J.H. 476**
MAXILLOFACIAL PROSTHESIS
Maxillofacial materials. Koran, A., and Craig, R.G. 1216
Polyurethane elastomers. Goldberg, A.J.; et al. 134**
MECHANORECEPTORS
Mesencephalic nucleus. Linden, R.W. L569**
MEDICAL RECORDS
Systemic conditions in adults. Suomi, J.D.; et al. 1092†
MELANESIA
Tooth size and morphologic traits. Lombardi, A.V. 239
MELANOMA
Immunization to melanoma. Peterson, D.E.; et al. 105**
MEN
Women in professions. Frank, H., and Katcher, A. 386**
MENTAL RETARDATION
Oral hygiene and gingivitis. Barker, D., and Brown, H. 643*
MEPERIDINE
Blood cortisol levels & oral surgery. Bunch, F.L.; et al. 965
MEPIVACAINE
Hexobarbital sleeping times in mice. Rinchuse, D.J., and Smudski, J.W. 926
MERCAPTOETHANOL
Mercaptoethanol and salivary aggregating factor. Hankin, S., and Kashket, S. 57**
MERCURY
Cytotoxicity of cadmium and mercury. Kawahara, H.; et al. 125
Face mask. Miller, R.A.; et al. 505**
Hg concentrations. Karlsson, U.L.; et al. L467**
Hg during amalgam cutting. Battistone, G.C.; et al. 503**
Hg vapor. Gaspar, J.D.; et al. 504**
Influences on amalgam restorations. Mathewson, R.J., and Lu, K.H. 104
Vapors and Hg in rats. Guccione, P.; et al. 1235†
MERCURY POISONING
Cellular response to amalgam. Kawahara, H.; et al. 394
METAL
Distribution of stresses in crown. Farah, J.W., and Craig, R.G. 255
METHACHOLINE COMPOUNDS
Methacholine-induced parotid flow. Dowd, F.J., Jr., and Shannon, I.L. 911†
METHACRYLATES
Ether-ester monomers. Antonucci, J.M., and Bowen, R.L. L441**
METHYLMETHACRYLATE
Cementing intraosseous implants. Schoenfeld, C.M.; et al. L248**
Dimethylmethacrylate implants. Smith, A.W.; et al. 322**
Fracture mechanics of acrylics. Causton, B.E. 339
PMMA teeth. Peterson, L.J.; et al. L247**
METHYLPREDNISOLONE
Methylprednisolone and cytochrome oxidase during wound healing. Fine, A.S.; et al. 95**
MICE
Aging and mouse periodontium. Schneider, L.C.; et al. 75**
Tissues in nude mice. Macedo-Sobrinho, B. 309**
MICELLES
Organic amine plaque inhibition. Bass, G.E.; et al. 968
Organic diamine inhibition of S mutans. Bass, G.E.; et al. 972
MICRORADIOGRAPHY
Simple vacuum casette for microcardiography. Levine, R.S. 1090†
MICROSCOPY
Histology of tooth fissures. Galil, K.A., and Gwinnett, A.J. 960
MICROSCOPY, ELECTRON
Cytotoxicity of cadmium & mercury. Kawahara, H.; et al. 125
Localization of bacteria on the tongue. Brady, J.M.; et al. 777
Phase identification with TEM. Consani, S.; et al. L160**
Plaque in fissures. Theilade, J.; et al. L88**
SEM, TEM of bone formation in ceramic. Brady, J.M., and Cutright, D.E. 344**
SEM, TEM of plaque. Lie, T. L16**
Shark enameloid. Kerebel, B., and Daculsi, G. L65**
Structure of two layers of carious dentin. Ohgushi, K., and Fusayama, T. 1019
MICROSCOPY, ELECTRON, SCANNING
Acid etching for pit & fissure sealant. Marshall, G.W.; et al. 1222
Ca 45 and SEM of acid etch. Dogon, I.L., and Henry, P. 19**
Cavity margins finished at ultra speed. Leidal, T.I., and Tronstad, L. 152

Corrosion products of dental amalgam. Sarkar, N.K.; et al. 1031
Dentin matrix. Triller, M.; et al. 676*
Effect of conditioning on enamel. Kochavi, D.; et al. 304
Histology of tooth fissures. Galil, K.A., and Gwinnett, A.J. 960
Localization of bacteria on the tongue. Brady, J.M.; et al. 777
Residual fluoride in human teeth. Ehrlich, J.; et al. 897
SEM in endodontics. McComb, D., and Smith, D.C. L159**
SEM of Ag points in bone. Brady, J.M.; et al. L469**
SEM of cells on bio-materials. Elgeneidy, A.K.; et al. 510**
SEM of dirty bristles. Maizumi, H. C109*
SEM of F-treated dentin. Tal, M.; et al. C98*
SEM of margins. Brennan, S.; et al. 644*
SEM of neural crest migration. Steffek, A.J.; et al. 479**
SEM of periapical cysts and granulomas. Farber, P.A. 614-A**
SEM of periodontium. Matsue, I.; et al. 197**
SEM of pits and fissures. Galil, K.A., and Gwinnett, A.J. 437**
SEM of plaque. Lilienthal, B. 266**
SEM of plaque formation. Sabelli, C.A.; et al. 632*
SEM of resin/enamel interface. Jenkins, C.B. L352**
SEM of S mutans IgA. Riviere, G.R., and Cotton, W.R. L393**
SEM of TMJ discs. Zimny, M.L.,and Welch, M. 558**
SEM study of dentinoenamel junction. Sela, J.; et al. 110
SEM study of tooth wear. Shkurkin, G.V.; et al. 402
SEM, TEM of bone formation in ceramic. Brady, J.M., and Cutright, D.E. 344**
SEM, TEM of plaque. Lie, T. L16**
Shark enameloid. Kerebel, B., and Daculsi, G. L65**

MICROSOMES
Ca efflux and microsomes. Watson, E.L., and Siegel, I.A. 569**
Mg^{2+}-ATPase in microsomes. Izutsu, K.T.; et al. 570**

MILITARY DENTISTRY
Caries, disease and oral health. Stepnick, R.J.; et al. 606**
S mutans and caries. Keene, H.J.; et al. L409**

MINERALS
Caries-like lesions. Groeneveld, A.; et al. 664*

MINOCYCLINE
Minocycline and calcifying tissues. Yen, P.K., and Shaw, J.H. 423†

MITCHELL, DAVID FARRAR
In memoriam: David Farrar Mitchell. Hine, M.K. 917

MITOCHONDRIA
Ca^{++} in mitochondria. Shapiro, I.M., and Lee, N.H. 245**
Cellular mineralization. Sayegh, F.S.; et al. 240**
Irradiated epithelium. de Rey, B.M., and Cabrini, R.L. 632*
Odontoblast mitochondria. Sayegh, F., and Abousy, A. 251**

MITOGENS
PBL, PHA-P and gingivitis. Lang, N.P., and Smith, F.N. 318**

MIXED SALIVARY GLAND TUMOR
Pleomorphic palatal adenomes. Fonseca, M.; et al. 638*

MOBILE HEALTH UNITS
Care costs in mobile clinics. Doherty, N. 37**

MODELS, BIOLOGICAL
Bone resorption and tooth eruption. Marks, S.C., Jr. L122**

MODELS, THEORETICAL
Computerized tooth model. Hood, J.A.; et al. 644*
In vivo occlusal forces and moments. Mansour, R.M., and Reynik, R.J. 121
Quantification of masticatory muscle dysfunction. McCall, W.D., Jr.; et al. 12**

MOLAR
Beverages, erosion and molar fluoride. Shabat, E.; et al. 426†
Deciduous molars. Infante, P.F. 469**
Food impaction. Tagger, M. C97*
Mandibular collateral circulation. Castelli, W.A.; et al. 708
Molar relations in preschool children. Infante, P.F. 723
Molar size sequence in the Peruvian Indian. Goaz, P.W. 1091†
Premature loss of molars. Tomer, B.; et al. 470**
Second molar in malocclusion. Wheeler, R.C. 83**
SEM study of tooth wear. Shkurkin, G.V.; et al. 402
Third molar space. Turley, P.K., and Charconas, S.J. 8**
Trifurcated molars. Hochstetter, R.L. 1097†

MONGOLISM see DOWN'S SYNDROME

MONKEYS
Masticatory muscle spindel of pinché. Kubota, K., and Masegi, T. 788
Optimal healing in monkeys. Lies, M.; et al. 79**
Size in Macaca deciduous dentitions. Sirianni, J.E., and Swindler, D.R. 414†
Spider monkey as analogue. Levy, B.; et al. 193**
Tooth and body size in Macaca. Swindler, D.R., and Sirianni, J.E. 695†

MOTTLED ENAMEL
Enamel F, DMF and fluorosis. Bischoff, J.I., and Merwe, E.H. van der 682*
F in fluoresced teeth. Lex, C. 671*

MOUTH
Intraoral topography. Altschuler, B.; et al. 172**
Release of chlorhexidine. Rolla, G., and Kaae, O. L33**
S mutans in infants' mouths. Berkowitz, R.J., and Jordan, H.V. 332**
Tongue-lip pressures in aborigines. Proffitt, W.R.; et al. 1161

MOUTH DISEASES
Cape Malay. Dreyer, W.P.; et al. 683*

MOUTH, EDENTULOUS
Comfortable zone. Brill, N.; et al. L522**
Comfortable zone. Fujii, H.; et al. L523**
Comfortable zone. Kato, H.; et al. L524**
Comfortable zone. Tryde, G.; et al. L521**
Occlusal height. McMillan, D.R.; et al. L519**
Occlusal height. Stoltze, K.; et al. L520**
Soft tissue posture. Heath, R. L324**

MOUTH MUCOSA
Bovine collagens. Furuto, D., and Schneir, M. 91**
Culture of mucosa. Gerson, S. 304**
Dentifrice and mucosa. Allen, A.L.; et al. 203**
Dynamics of oral mucosal permeability. Alfano, M.C.; et al. 194†
Endotoxin penetration through oral mucosa. Alfano, M.C.; et al. 1143
Glycolytic rate. Williams, R.A.; et al. L48**
Healing of mucosa vs skin. Berger, K., and Schneir, M. 303**
Keratohyaline granules. Baker, R.; et al. 255**
Lesions. Wyk, C.W. van; et al. 691*
Mucosa in smokers. Mackenzie, I.C., and Nuki, I. 614B**
Oral mucosa cells. Kishi, K., and Nishijima, K. C107*
Permeability. Rooney, L.; et al. L494**
Rat palatal mucosa. Hill, M.W. L495**
Surfactants and mucosa. Gordon, H.P., and Siegel, I.A. 509**
Surfactants and permeability of mucosa. Siegel, I.A. 407**

Drugs effects
Cavity liners and mucous membranes. Kaminski, E.J.; et al. 323**

Surgery
Incision of mucosa. Sciubba, J.J. 301**

Transplantation
Vestibuloplasty with grafts. Maloney, P.L.; et al. 427**

MOUTH NEOPLASMS
Blood group A. Dabelsteen, E. L536**

Feulgen microspectrophotometry. Doyle, J.L., and Manhold, J.H. 1196
Lymph node in cancer. McWilliams, R.W., and Fidler, I.J. 612**
Oral cancer in India. Malaowalla, A.; et al. 617**
Oral cancer in India. Smith, L.W.; et al. 226**
Parotid fluid, immunodiffusion and oropharyngeal irradiation. Young, S.K.; et al. 55**
MOUTH PROTECTORS
Polymer mouthguards. Loehman, R.E.; et al. 133**
MOUTHWASHES
Antibacterial action of SnF_2. Andres, C.; et al. 584**
Clinical assessment. Levine, R.S. L3**
Effect on plaque. Ciancio, S.G.; et al. 585**
Instrumental evaluation of mouth odor. Solis-Gaffar, M.C.; et al. 351
Mouthwashes and plaque. Barnes, G.P., and Carter, H.G. 582**
Plaque and gingivitis. Formicola, A.; et al. 600**
Plaque and gingivitis. Spolsky, V.W., and Forsythe, A.B. 601**
Plaque inhibition. Holbeche, J.; et al. 653*
Toxicity of amine fluoride. Kavanagh, B.J.; et al. 507**
Urea peroxide. Bhat, M., and Bagramian, R.A. 604**
MUCIN
Artificial saliva. 'S-Gravenmade, E.J.; et al. 674*
Drug dynamics & oral soft tissues. Gjermo, P. B44
MUCOPOLYSACCHARIDES
Arteriosclerosis & diabetic vasculature. Keene, J.J., Jr. 77
MUCOUS MEMBRANE
Mucus barrier. Adams, D. B19
MUCUS
Mucus barrier. Adams, D. B19
MURAMIDASE
Gingival inflammation. Hasekawa, K., and Cimasoni, G. 666*
Tissular lysis. Kerebel, B., and Daniel, A. 665*
MYCOPLASMA
Isolation of mycoplasma. Crespo, J.; et al. 635*
Proteolytic activity. Watanabe, T., and Horikawa, T. L209**
MYXOMA
Mandibular myxoma. Simes, R.J.; et al. 631*

NEISSERIA
Lactate degradation. Hoshino, E.; et al. C102*
Plaque. Bowden, G.H.; et al. L210**
NEOPLASM TRANSPLANTATION
Transplantable oral carcinomata. Cannell, H., and Hudson, B.M. L268**
NEOPLASMS
Effects of xerostomia on oral microbes. Brown, L.R.; et al. 740
NEOPLASMS, EXPERIMENTAL
7, 8 Benzoflavone and tumorigenesis. Burns, R.A.; et al. 70**
NERVES
Impulses. Orchardson, R. L568**
Teeth. Matthews, B. L567**
Transport of peroxidase. Furstman, L. 372**
NEURAL INHIBITION
Latency & silence in jaw muscles. Gillings, B.R., and Klineberg, I.J. 269
NEURAMINIDASE
Haemophili and neuraminidase activity. Tuyau, J.E., and Sims, W. 737
NEURONS
Cytoenzymes. Carson, K.; et al. C110T
Cytoenzymes in mouse neurons. Hanker, J.S.; et al. 373**
Periodontal neuron. Funakoshi, M., and Amano, N. C103*
NEURONS, AFFERENT
Afferent sensors in swallowing. Hollshwandner, C.H.; et al. 83
NEW HAMPSHIRE
Tooth dimension and caries prevalence. Stern, S.P., and Curzon, M.E. 910†
NICKEL
Applications of Nitinol alloys. Civjan, S.; et al. 89
NICOTINAMIDE
Cleft palate with pyridine nucleotides. Chamberlain, J.G. 413†
NITRATES
Nitrate radicals in apatites. Peckauskas, R.A., and Pullman, I. 1096†
NITROSAMINES
Drug-nitrite interactions. Rao, G.S. 506**
NITROUS OXIDE
N_2O in pregnancy. Ramazzotto, L.J.; et al. L31
N_2O-O_2 study. DeJean, E.; et al. 587**
Psychomotor effects of N_2O-O_2. Machen, J.B.; et al. 486**
NIH see USNIH
NOISE
Dental noise. Clynes, J.T.; et al. 364**
NUCLEIC ACIDS
Proteins and nucleic acids. Conti, C.J.; et al. 633*

ODONTOBLASTS
Autonomic endings. Cox, C.F., and Avery, J.K. L236**
Mandibular collateral circulation. Castelli, W.A.; et al. 708
Membrane junctions. Holland, G.R. L570**
Odontoblasts mitochondria. Sayegh, F., and Abousy, A. 251**
Polarization. Karcher-Djuricic, V.; et al. 663*
Tetracycline and ultrastructure. Kruger, B.J. 822
ODONTOCLASTS
Odontoclasts in rabbits. Kuipers, P.W.; et al. L488**
ODONTOGENESIS
Cells in odontogenesis. Lehmann, R., and Slavkin, H.C. 369**
Histogenesis of teratomas. David, P., and Gaillard, J.A. L58**
Odontogenesis in frogs. Chibon, P., and Spinelli, M. L242**
Tooth development in swine. Bivin, W.S., and McClure, R.C. 244
ODONTOGENIC CYSTS
Keratinizing and calcifying. Farman, A.G., and Altini, M. 684*
ODONTOGENIC TUMORS
Acanthotic ameloblastomes. Simes, R.J.; et al. 632*
Staining properties. Burkes, E.J. C110T
Unusual tumors. Regezi, J.A., and Courtney, R.M. 615**
ODONTOMETRY
Dental field theory. Henderson, A.V., and Greene, D.L. 344
Genetic determinants of antimeric teeth in twins. Potter, R.H.; et al. 28**
Molar size sequence in the Peruvian Indian. Goaz, P.W. 1091†
Size in Macaca deciduous dentitions. Sirianni, J.E., and Swindler, D.R. 414†
Tooth and body size in Macaca. Swindler, D.R., and Sirianni, J.E. 695†
Tooth size and morphologic traits. Lombardi, A.V. 239
OLIGOPEPTIDES
Oligopeptide and lactate. Kaneko, K., and Mishiro, Y. C102*
OLIGOSACCHARIDES
Glucosyltransferase action. Newbrun, E.; et al. L72**
ORAL HEALTH
Oral health status. Nikias, M.K.; et al. 166**
Rural Tennessee. Seibert, W.J.; et al. L138**
Sociocultural influences. Strauss, R.P. C110T
Taiwan aborigines. Liu, K.-L. 563**
ORAL HYGIENE
Attitude and behavior. Corah, N.L. L557**
Attitudes and behavior. Friedman, L.A., and Mackler, R.G. 167**
Crevicular fluid Na^+/K^+ ratio. Daley, T.E., and Wisotzky, J. L254**
Deplaquing, gingivitis and plaque. Silverstein, S.; et al. 607**
Flossing and caries. Wright, G.Z.; et al. 190**
Mental retardation. Barker, D., and Brown, H. 643*
Oral cleanliness. Davies, R.M.; et al. L455**
Oral hygiene. Saxe, S.R.; et al. L454**

Oral hygiene and gingiva. Demetriou, N.A. L461**
Oral hygiene and salivary IgA. Suddick, R.P.; et al. 98**
Reduction of malodour. Tonzetech, J., and Ng, S.K. 71**
Salivary IgA. Demetriou, N.A.; et al. 666*
ORAL HYGIENE INDEX
Dentist's vs adolescents' ratings. Brunswick, A.F., and Nikias, M. 836
ORAL MANIFESTATIONS
Cystic fibrosis in children. Jagels, A.F., and Sweeney, E.A. 613**
Lung diseases. Merchant, H.W.; et al. 619**
Orofacial manifestations in sickle cell anemia. Biederman, P.D. 26**
ORNITHINE
Constrictor potentiation by POR-8. Waterson, J.G. B63
ORTHODONTIC APPLIANCES
Conventional bond. Mizrahi, E. 687*
Decalcification under bands. Neumann, H.F.; et al. 577**
Elasticity of wire. Hershey, H.G., and Dusenberry, G.R. 360**
Force systems from appliances. Koenig, H.A., and Burstone, C.J. 358**
Orthodontic alastics. Kovatch, J.S.; et al. 359**
Orthodontic direct-bonding adhesive systems. Bishara, S.E.; et al. 751
Orthodontic direct bonding materials. Khowassah, M.A.; et al. 146
Orthopedic force distribution. Chaconas, S.J., and Caputo, A.A. 1**
Stress in wires. Twelftree, C.C. 645**
Ultrasonic cement removal & band adhesion. Shaver, R.L.; et al. 206
ORTHODONTICS, CORRECTIVE
Alveolar bone remodeling. Markostamou, K., and Baron R. L319**
Cephalometric comparison. Nel, S.J. 687*
Composites and enamel. Sadowsky, P.L., and Retief, D.H. 688*
Dental arches of orthodontic patients. Hechter, F.J., and Cleall, J.F. 7**
Irradiation and tooth movement. Ubios, A.M.; et al. 633*
Malposed partially erupted teeth. Sadowsky, P.L., and Retief, D.H. 689*
Mandibular teeth in orthodontic therapy. Kuftinec, M.M. 3**
Model for occlusal force analysis. Mehta, N.R., et al. 1243†
Orthopedic forces in mandible. De Abla, J.A.; et al. 2**
Periodontal tissues. Miura, F., and Oyama, H. C104*
Prediction of tooth displacement. Koenig, H.A., and Burstone, C.J. 5**
Priority index. Prahl-Andersen, B., and Kowalski, C.J. 669*
S. Australia. Bajada, S.B., and Sims, M.R. 643*
Skeletal imaging of orthodontic forces. Garcia, D.; et al. 6**
Third molar space. Turley, P.K., and Charconas, S.J. 46**
OSTEOCLASTS
Bone resorption. Trummel, C.L. 588**
EHDP and osteoclast nuclei. Jee, W.S.; et al. 242**
Isolation of osteoclasts. Nelson, R.L., and Bauer, G.E. 246**
Osteoclast changes in endotoxin-treated bones. Rowe, D.J., and Hausmann, E. 416**
Oxidoreductases in osteoclasts. Coleman, R.A.; et al. 244**
Parathyroidectomy. Duflot-Vignerv A., and Baron, R. 677*
OSTEOCYTES
Osteocyte in alveolar bone Porte, J.; et al. L263**
OSTEOGENESIS
Collagen and osteogenesis. Turnbull, R.S.; et al. 308**
Osteogenesis at fracture sites. Nurang, R. 247**
Rat embryo palate. Benoit, R., and Lemire, M. 667*
Rat embryo palate. Moumni, A.; et al. 667*
OSTEOMYELITIS
Hyperbaric O_2 in osteomyelitis. Aye, T.G., and DeVore, D.T. 428**
OSTEOPOROSIS
Steroid and cartilage fibrillation. Silbermann, M. L119**
OSTEOTOMY
Blood flow changes. Meyer, M.; et al. L560**
Maxillary osteotomy. Kennedy, J.W., III; et al. 431**
Osteotomy in prognathism. Chase, D.C.; et al. 10**
Pulpal blood flow. Cavanaugh, G. L559**
OXIDOREDUCTASES
Dehydrogenase in palate closure. Hiatt, J.L.; et al. 148**
Human tooth entogeny. Larmas, L., and Larmas, M. L240**
Malic dehydrogenase in rat gingiva. Egnor, R.W.; et al. 94**
Oxidoreductases in osteoclasts. Coleman, R.A.; et al. 244**
OXYGEN
Hyperbaric O_2 in osteomyelitis. Aye, T.G., and DeVore, D.T. 428**
O_2 in plaque and saliva. Globerman, D.Y., and Kleinberg, I. 119**
OXYTETRACYCLINE
Tetracycline luminescence in teeth and bones. Hoerman, K.C. B131

PAIN
Analgesic-histamine. Breytenbach, M. 682*
Dental pain. Miller, J., and Swallow, J.N. L292**
Osmotic excitants. Anderson, D.J., and Linden, R.W. L566**
PALATE
Acid hydrolase, palate and mandible. Delbalso, A.M., and Kauffman, F.C. 152**
Arteriosclerosis & diabetic vasculature. Keene, J.J., Jr. 77
Contractile systems in palate. Babiarz, B., and Zimmerman, E.F. 146**
Cranial base and palatal shelf. Brinkley, L., and Avery, J.K. 144**
Dehydrogenase in palate closure. Hiatt, J.L.; et al. 148**
Embryonic tissues. Goss, A.N. 651*
Fucose uptake in rabbit palates. DePaola, D.P.; et al. 912†
Goldfish. King, R.E. 685*
Glycoprotein biosynthesis & palate fusion. DePaola, D.P.; et al. 1049
Hypervitaminosis A and palate. Lorente, C.A., and Miller, S.A. 147**
Mouse embryo palates. Tyler, M.S. 145**
Movements during palatal development. Walker, B.E., and Quarles, J. 1200
Oxidative enzymes. Shapiro, B.L., and Sweney, L. L45**
PAS+ in palatal epithelium. Meller, S., and Waterman, R.E. 153**
Palatal dimensions in Down's syndrome. Westerman, G.H.; et al. 767
Palatal epithelium. Moore, H.G.; et al. 154**
Palatine shelf fusion. Walker, B.E., and Sohn, R. 149**
Palatine shelves. Tassin, M.T., and Weill, R. 667*
Pig. Rensburg, B.G., van 690*
Smooth muscle proteins. Krawczyk, W.S.; et al. L46**
PALEODONTOLOGY
American Indian skulls. Roghmann, K.J.; et al. 565**
Egyptian queen. Kowalski, C.J., and Harris, J.E. 566**
SEM study of tooth wear. Shkurkin, G.V.; et al. 402
PANCREATIN
Pancreatin and submandibular gland. Lieb, R.J.; et al. 492**
PARATHYROID HORMONE
Giant cells. Abrams, B. 681*
PTH, CT and bone cell cyclic AMP. Yu, J.H.; et al. 65**

Tetracycline and parathyroid secretion. Bodak-Gyovai, L.Z., and Brightman, V.J. 420**
PARENTS
Parent and child behaviors. Decker, D. 489**
Parent's presence and child response. Venham, L.; et al. 45**
PAROTID GLAND
Acinar cells, isoproterenol and parotid gland. Klein, R.M., and Harrington, D.B. 567**
Caries. Ørstavik, D., and Brandtzaeg, P. L396**
Current research on oral fluids. Shannon, I.L., and Suddick, R.P. B8
"Degeneration secretion." Garrett, J.R., and Thulin, A. L203**
Dibutyryl-cAMP, theophylline and parotid gland. Fritz, M.E., and Grampp, W. L201**
Galactosyltransferase in parotid saliva. Nakamura, R.; et al. 808
Oral stimuli and amylase secretion. Hodgson, C., and Speirs, R.L. L196**
Parotid fluid proteins & caries. Balekjian, A.Y.; et al. 850
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
Polyribonucleotides in rat parotid. Han, S.S.; et al. L391**
Rat parotid acinar cells. Klein, R.M., and Harrington, D.B. L207**
Sialadenosis of parotid gland. Najjar, T., and Menk, K. 388**
Tumors and secretions. Eichner, H., and Münzel, M. L385**
Analysis
Amino acid in parotid gland. Johnson, D.A.; et al. 495**
Secretion
Glucose tolerance tests, cyclic AMP and salivary glucose. Sproles, A.C., and Schaeffer, L.D. 49**
Methacholine-induced parotid flow. Dowd, F.J., Jr., and Shannon, I.L. 911†
Parotid fluid composition. Chauncey, H.H.; et al. 51**
Parotid glucose secretion. Feller, R.P., and Shannon, I.L. 50**
PATIENT ACCEPTANCE OF HEALTH CARE
Dentist's vs adolescents' ratings. Brunswick, A.F., and Nikias, M. 836
PATIENT CARE TEAM
Dental team performance. Macintyre, B.A.; et al. 385**
Patient reactions. Martens, L.; et al. 692T
PEDODONTICS
Costs in different settings. Doherty, N. L286**
PENICILLAMINE
Rat PDL and TMJ. Shoshan, S., and Dayan, D. C99*
PENTOBARBITAL
Blood cortisol levels & oral surgery. Bunch, F.L.; et al. 905
PEPTIDES
Chondrocytes and peptide. West, B., and Sledge, C.B. 571**
Epidermal growth factor. Roberts, M.L. 652*
IgA protease. Genco, R.J.; et al. 523**
Polypeptide chain. Stern, I.B. L507**
Submandibular-gland esteropeptidase. Chakrabarti, S.G.; et al. 948
PERIODONTAL DISEASES
A naeslundii in rats. Garant, P. L27**
Alveolar bone. Saffar, J.L.; et al. 676*
Cellular immunity. Movius, D.L.; et al. 692T
Complement in periodontal patients. Courts, F.J.; et al. 528**
Etiology, in sheep. Suckling, G. 658*
Fusiforms from periodontosis. Savitt, E.D.; et al. 208**
HL-A2 and periodontal diseases. Kaslick, R.S.; et al. 424†
In Copenhagen. Christensen, J.; et al. L136**
Isolation of mycoplasma. Crespo, J.; et al. 635*
Liver cirrhosis. Movin, S. L28**
Lymphocytes in periodontal disease. Mackler, B.; et al. 100**
Periodontal disease in rats. Zukerman, L.S., and Rosen, S. 111**
Prevalence in dogs. Hamp, S.E.; et al. L19**
Serum in stomatitis and periodontal disease. Rogers, R.S., III; et al. 532**
Sheep. Woods, R., and Yule, A.J. 650*
Spider monkey as analogue. Levy, B.; et al. 193**
Stimulation of lymphocytes. Ivanyi, L., and Lehner, T. L265**
Strain of night guard. Ikeda, K.; et al. C109*
Thyro-calcitonin and alveolar bone. Kaleka, R.; et al. 677*
Trisomy. Cutress, T.W. 658*
Complications
Systemic conditions in adults. Suomi, J.D.; et al. 1092†
Microbiology
Gram-anaerobic rods. Newman, M.G.; et al. 213**
Occurrence
19th century British skulls. Lennon, M.A.; et al. L139**
PERIODONTAL DRESSINGS
Oral microflora. Thorn, H.L., and Pihlstrom, B.L. 692T
PERIODONTAL INDEX
Periodontal disease in Down's syndrome and sibs. Orner, G. 81**
Periodontal health in Oslo. Hansen, F., and Johansen, J.R. L137**
PERIODONTAL LIGAMENT
Biosynthesis of collagen. Rossman, L.; et al. L130**
Bovine. Pearson, C.H.; et al. L508**
Bovine periodontal ligament and cementum collagen. Butler, W.T.; et al. 88**
Collagen metabolism. Skougaard, M.R., and Carsten, A.L. L25**
Eruption of rat incisor. Michaeli, Y.; et al. L364**
Glucosaminidase in rat ligament. Dorey, C.K., and Bick, K.L. 195**
Healing after surgery. Andreasen, J.O., and Skougaard, M.R. L280**
Movement of fibroblasts. Beertsen, W. 666*
Nerve fibers in mouse ligament. Avery, J.K.; et al. 192**
Oxytalan fibers. Sampson, W.J. 651*
Periodontal ligament cell cultures. Brunette, D.M.; et al. 306**
Periodontal ligament collagen synthesis. Rossman, L.E.; et al. 1115
Proline. Orlowski, W.A., and Masi, C.W. L24**
PERIODONTICS
Periodontal department. Lipton, J.; et al. 381**
Periodontology in schools. Fine, D.; et al. 380**
PERIODONTITIS
Alveolar bone loss. Polson, A.M.; et al. L22**
Bone remodeling in periodontal lesions. Ramirez, J.M. and Hurt, W.C. 74**
Food, lymphocytes and periodontitis. Radentz, W.H.; et al. 315**
Gingivectomy vs. non-surgical therapy. Waite, I.M. L5**
Gingivitis to periodontitis in marmosets. Grant, D.; et al. 200**
Marginal periodontitis & mechanical injury. Meitner, S. C78
Microbiota of periodontitis. Crawford, A.; et al. 209**
Periodontitis and injury. Meitner, S. L134**
Plaque and periodontitis. Newman, H.N. L14**
Pocket anaerobes. Ribaux, C.L., and Chavrier, C.A. L77**
Pocket anaerobes and β-glucuronidase. Chavrier, C.A., and Ribaux, C.L. L70**
Pocket reattachment to root dentin. Register, A.A. 80**
Probing of pockets. Sivertson, J.F.; et al. L18**
Root surfaces. Sumney, D.L.; et al. L262**
Salivary IgA. Demetriou, N.A.; et al. 666*
Microbiology
Gantrisin and pocket microbiota. Newman, M.G.; et al. 214**
Surgery
Periodontal surgery. Vogan, W.I.; et al. 298**
PERIODONTIUM
Aging and mouse periodontium. Schneider, L.C., et al. 75**

Blood vessels in mouse periodontium. Avery, J.K.; et al. 256**
Epithelial attachment in rat. Garnick, J.J. 201**
Irradiation and tooth movement. Ubios, A.M.; et al. 633*
Mechanical properties. Miura, F., and Oyama, H. C101
Multiple pregnancies and mouse periodontium. Schneider, L.C.; et al. 198**
SEM of periodontium. Matsue, I.; et al. 197**
PERIOSTEUM
Experimental fracture. Baron, R.; et al. 677*
Free periosteal autografts. Lockhart, R.L.; et al. 297**
PERMEABILITY
Dynamics of oral mucosal permeability. Alfano, M.C.; et al. 194†
PEROXIDASES
Cat salivary glands. Kidd, A., and Garrett, J.R. L205**
Transport of peroxidase. Furstman, L. 372**
PEROXIDES
Adolescent population. Bhat, M., and Bagramian, R. A. 604**
Ultrasonics, H_2O_2 and tooth integrity. Ahmed, F.I., and Russell, C. L109**
PERSONALITY
Personality and parotid saliva. Costa, P.T.; et al. 485**
PERU
Molar size sequence in the Peruvian Indian. Goaz, P.W. 1091†
PHAGOCYTOSIS
Inhibition of phagocytosis. Trott, J.R.; et al. 650*
PHARYNGEAL NEOPLASMS
Parotid fluid, immunodiffusion and oropharylngeal irradiation. Young, S.K.; et al. 55**
PHENOTYPE
Amelogenesis phenotype. Guenther, H.L.; et al. 249**
PHLEBOTOMY
Mandibular marrow and x-rays. Gong, J.K.; et al. 622**
PHOSPHATASES
Cat salivary glands. Kidd, A., and Garrett, J.R. L205**
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
K^+-NPase in submandibular gland. Son, Y.; et al. 418†
PHOSPHATES
Effect of acid etch on $Sn_2F_2PO_4$ formation. Nordquist, W.D. 1154
Effects of phosphate on plaque. Tatevossian, A.; et al. B34
Effects of sugar intake on plaque Ca & P. Ashley, F. P. 1015
PHOSPHODIESTERASES
Salivary gland enlargement. Krawkowski, A., and Schaeffer, L.D. L206**
PHOSPHOLIPASE
Bone resorption. Rabadjija, L., and Goldhaber, P. 589**
PHOSPHOLIPIDS
Bone lipid synthesis. Dirksen, T.R.; et al. 1009
Ca-phospholipid in bone. Boskey, A.L.; et al. L316**
Lipid-dependent calcification. Vogel, J.J., and Ennever, J. 416†
PHOSPHOPROTEINS
Ca binding. Bennick, A., and Leung, T. L91**
PHOSPHORIC ACIDS
Adhesive penetration in white spots. Davila, J.M.; et al. 999
Ca 45 and SEM of acid etch. Dogon, I.L., and Henry, P. 19**
Class IV resin restorations. Hanson, E.C.; et al. 24**
Effect of conditioning on enamel. Kochavi, D.; et al. 304
Etching agents and enamel. Pilgrim, J. 18**
Etching solution. Retief, D.H. 688*
Fluoridation before sealant application. Chow, L.C., and Brown, W.E. 1089†
Pulpal response. Retief, D.H., and Austin, J.C. 688*
SEM of bond in composite restorations. Liatukas, E.L., and Young, R.I. 16**
Steel crown cementation. Mathewson, R.J.; et al. L332**
PHOSPHORUS
Ca and P to amalgam. Chapple, C.C., and Wing, G. 647*
Ca/P of dentin. Wright, J.C., and Foreman, D.W. 444**
P and Sn in enamel biopsies. Wei, S.H.; et al. 440**
PHOSPHOTRANSFERASES
Glucose transport in S mutans. Schachtele, C.F. 330
PHOTOMETRY
Instrumental evaluation of mouth odor. Solis-Gaffar, M.C.; et al. 351
PHYSICAL THERAPY
TMJ and physical therapy. Seng, G.P.; et al. L476**
PILOCARPINE
Circadian rhythm in protein secretion. Abe, K., and Dawes, C. L198**
PIT AND FISSURE SEALANTS
Acid etching for pit and fissure sealant. Marshall, G. W.; et al. 1222†
Adhesion to enamel. Otsuki, A., and Takeuchi, M. L347**
Attitudes and use. Gift, H.; et al. L558**
Behavior in vivo. Tranter, T.C. L349**
Bis GMA. Craig, P.J. 649*
Bis-GMA sealant with primer. Dennison, J.B.; et al. 182**
Bond strength. Young, K.C.; et al. L348**
Fluoridation before sealant application. Chow, L.C., and Brown, W.E. 1089†
Microleakage. Ferreira, M.R. 684*
Penetration of sealants. Apostolides, A.; et al. 184**
Penetrativity of sealants: I. Fan, P.L.; et al. 262
Pigment in teeth of pygmy shrew. Lunt, D.A., and Noble, H.W. 1087†
Sealant and fluoridation. Cons, N.C.; et al. L312**
Sealant, bacteria, caries. Handelman, S.L.; et al. L407**
Sealant retention. Graves, R.; et al. 183**
Sealants. Soni, N.N., and Whitehurst, V.E. 181**
Sealants and caries. El-Kafrawy, A.H., and Mitchell, D.F. 421†
Sealants and Naval personnel. Eden, G.T. 180**
Submandibular gland metabolism. Zebrowski, E.J.; et al. 396**
Technics. Williams, B.; et al. L346**
PLASMIDS
A viscosus plasmids. Hammond, B.F.; et al. L217**
Plasmid DNA in S faecalis. Clewell, D.B.; et al. L297**
PLASMIDS see also under EXTRACHROMOSOMAL INHERITANCE
PLASMINOGEN
Plasminogen in epithelium. Southam, J.C., and Moody, G.H. L483**
PLETHYSMOGRAPHY
Blood volume changes in gingivae. Goldberg, H.J.; et al. 259**
PLUTONIUM
Uptake in rats. Jee, W.S.; et al. L314**
POISSON DISTRIBUTION
Poisson with optimization in caries. Singh, C., and Snyder, C.W. 1046
POLISHES
Clinical evaluation of enamel polish. Sturzenberger, O.P.; et al. 331
POLYCARBOXYLATE CEMENT
Dielectric properties of cements. Braden, M., and Clarke, R.L. 7
Endodontic sealer cement. Tabibi, A., and Jensen, J.R. L155**
F and mechanical properties. Tani, Y.; et al. C106*
Reinforced polycarboxylate cements. Barton, J.A., Jr.; et al. 310
Zinc polycarboxylate cements. Combe, E.C., and Greener, E.H. 140**
POLYMERS
Curing polymer implant materials. Gettleman, L.; et al. 275**
Polymer mouthguards. Loehman, R.E.; et al. 133**
Working time. Jacobsen, P.H. L444**
POLYSACCHARIDES
LPS response. Holm-Pedersen, P.; et al. L464**

Polysaccharide metabolism of plaque. Gawronski, T. H.; et al. 881
Solvents for extracellular polysaccharides. Lamberts, B.L.; et al. 857
POLYSACCHARIDES, BACTERIAL
Bacterial lipopolysaccharides. Sveen, K., and Hofstad, T. L213**
Fatty acids in lipopolysaccharides. Rietschel, E.T.; et al. L214**
Plaque polysaccharides. Kondo, W.; et al. C102*
Polysaccharide in S mutans. Shockman, G.D.; et al. L67**
S mutans polysaccharides. Veld, J.H., and De Stoppelaar, J.D. L69**
Streptococcal polysaccharides. Lamberts, B.L.; et al. 265**
Streptococcus. Guinard, M.; et al. 661*
POLYURETHANES
Microbiologic evaluation. Tang, R.Y.; et al. 692T
Polyurethane as resilient denture liner. Tang, R.Y.; et al. 1039
Polyurethane elastomers. Goldberg, A.J.; et al. 134**
POST AND CORE TECHNIC
Gold alloy crown posts. Kurer, H.G.; et al. L331**
POSTOPERATIVE CARE
Surgery and analgesics. Ayer, W.A.; et al. 482**
POTASSIUM
K+-NPase in submandibular gland. Son, Y.; et al. 418†
KOH, gingivectomy and wound healing. Stokes, J.C.; et al. 415†
POTASSIUM DEFICIENCY
K deficiency and rat salivary glands. Esposito, E.J.; et al. 398**
POTENTIOMETRY
Corrosion products of dental amalgam. Sarkar, N.K.; et al. 1031
PRACTICE MANAGEMENT, DENTAL
Procedure times. Hobdell, M.H. L290**
Productivity in dentistry. Mackenzie, R.S.; et al. L291**
PREGNANCY
Candidosis in pregnancy. Adams, D.; et al. L13**
Drug metabolism. Polonof, E., and Gabler, W. L41**
Multiple pregnancies and mouse periodontium. Schneider, L.C.; et al. 198**
N_2O in pregnancy. Ramazzotto, L.J.; et al. L31**
Sr uptake by developing hard tissues. Gedalia, I. B125
PREMOLAR TOOTH
Premolar reduction in monkey. Hylander, W.L., and Kay, R.F. 1242†
PREOPERATIVE CARE
Optimal healing in monkeys. Lies, M.; et al. 79**
PREVENTIVE DENTISTRY
Delivery of preventive services. Gift, H. L287**
In fluoridated areas. Bognore, R., and Gift, H. L146**
Personnel utilization in prevention. Marcus, M., and Van Baelen, A. 42**
Predicting preventive behavior. Silversin, J.B.; et al. 159**
Preventive dentistry in regions. Bognore, R., and Schaid, K. 160**
Prevertive dentistry surveys: 1957, 1974. Gift, H., and Milton, B. 158**
Scales in survey data. Gift, H., and Newman, J. 157**
PRIMATES
Dental field theory. Henderson, A.M., and Greene, D.L. 344
PRIVATE PRACTICE
Personnel utilization in prevention. Marcus, M., and Van Baelen, A. 42**
PROCAINE
Hexobarbital sleeping times in mice. Rinchuse, D.J., and Smudski, J.W. 926
Potency comparison of local anesthetic. Simard-Savoie, S. 978
PROGNATHISM
Osteotomy in prognathism. Chase, D.C.; et al. 10**
PROLINE
Aging parodontal bone. Tonna, E.A. L420**
^{3}H-proline in oral tissues. Kameyama, Y. L241**
H^3-proline in pulp. Orlowski, W. 227**
Periodontal ligament and gingivae. Orlowski, W.A., and Masi, C.W. L24**
Proline –H^3 in frog teeth. Zaki, A.E. 262**
Proline-rich glycoproteins. Balekjian, A.Y., and Longton, R.W. L101**
Proline rich proteins. Levine, M., and Keller, P.J. L100**
PROSTAGLANDINS
Bone resorption. Gomes, B., and Hausmann, E. 590**
Collagenase and bone resorption. Sakamoto, S.; et al. 592**
Gingiva. Poovaiah, B.P., and Goodson, J.M. L510**
Healing gingival tissues. Grower, M.F.; et al. 591**
Intradental pain mechanism. Edwall, L., and Haegerstam, G. L40**
Pseudomonas. Bulkacz, J., and Goodson, J.M. 632**
PROTEASES
Proteases in cells. Ishikawa, I.; et al. L426**
PROTEINS
Acidic protein from saliva. Leavitt, C.A., et al. L96**
Alloimmune response. Schonfeld, S.E. C72
Autoantibodies and tooth proteins. Schonfeld, S.E. L135**
Biosynthesis of enamel protein. Shimokawa, H., and Sasaki, S. 250**
Bone density. Pack, A.R. 649*
Circadian rhythm in protein secretion. Abe, K., and Dawes, C. L198**
Collagen in ligament. Hoerman, K.C. L422**
Electro immunodiffusion for IgA in saliva. Setterstrom, J.A., and Gross, A. 56**
Fasting and parotid saliva protein. Dawes, C. L200**
Identification. Scaletta, L.J., et al. L504**
Isoproterenol and salivary protein. Menaker, L.; et al. 568**
Keratohyalin granule. Dale, B., and Stern, I.B. L282B**
Monkeys. Jacobsen, N. L204**
Parotid fluid, immunodiffusion and oropharyngeal irradiation. Young, S.K.; et al. 55**
Plaque accumulation. Jensen, S.H.; et al. L15**
Precurser enamel proteins. Slavkin, H.C.; et al. L59**
Proline rich proteins. Levine, M., and Keller, P.J. L100**
Protein adsorption on hydroxyapatite. Belcourt, A. L95**
Protein in enamel. Srinivasan, B.N., and Brudevold, F. 271**
Protein transport. Steinberg, A.D.; et al. L421**
Proteins and nucleic acids. Conti, C.J.; et al. 633*
Radioactive iodination of proteins. Wood, F.T. C86
Radioactive labeling. Wood, F.T. L131**
Salivary protein. Mandel, I.D., and Concool, B. L94**
Salivary protein adsorption. Glantz, P.; et al. L93**
Steroid binding protein. Bashirelahi, N.; et al. L509**
Submandibular gland. Denny, P.C. 575**
PSEUDOMONAS
Prostaglandin-like substance. Bulkacz, J., and Goodson, J.M. 632**
PSYCHOPHYSIOLOGIC DISORDERS
Psychophysiologic complaints in MPD. Gold, S.; et al. 480**
PULPITIS
Apernyl & bradykininlike substance in pulp. Kudo, T.; et al. 1082
Ultrastructure of pulpitis. Kim, H.W., and Johansen, E. 217**
PYRIDOXINE
Sugar, pyridoxine, phytate and plaque. Cole, M.F. L83**
PYROPHOSPHATASES
Mineralizing molars. Woeltgens, J.H. 677*
S mutans pyrophosphatase. Clark, G., and Frattali, V. L71**

RADIATION
Maxillary irradiation. Costa, R.O., and Frasch, A.C. 633*
RADIATION DOSAGE
Absorbed dose in radiography. Frey, N.; et al. 421**
Dosimetry of projections. Frey, N., and Everhart, J. 423**

Fractionated radiation & rat's incisor. Horn, Y.; et al. 378
RADIATION EFFECTS
Effects of xerostomia on oral microbes. Brown, L.R.; et al. 740
Irradiated epithelium. Itoiz, M.E.; et al. 633*
Irradiation and mouse incisor. Gartner, L.P.; et al. 367**
Irradiation and tooth movement. Ubios, A.M.; et al. 633*
Proteins and nucleic acids. Conti, C.J.; et al. 633*
Radiation and salivation. Johansen, E.; et al. 393**
Rat incisor growth rate. Costa, O.R.; et al. 634*
Teeth and periodontal attachments. Dambrain, R. 661*
Xerostomia and electrolytes. Dreizen, S.; et al. 392**
RADICULAR CYST
SEM of periapical cysts and granulomas. Farber, P.A. 614-A**
RADIOAUTOGRAPHY see AUTORADIOGRAPHY
RADIOGRAPHY
Minerals in microradiographs. Frasch, A.C., and Cabrini, R.L. 634*
RADIOGRAPHY, DENTAL
Diagnosis of incipient lesions. Webber, R.L. 422**
Radiographic dental morphology. Patel, J.R., and Wuehrmann, A.H. 425**
Unerupted canines. Ostrofsky, M.K. 687*
Vibration of x-ray tube. Wotzke, M.F. 645*
RADIOTHERAPY
Effect of radiation of solubility. Walker, R. 901†
RATS
Localization of bacteria on the tongue. Brady, J.M.; et al. 777
Plaque-susceptible rats. Ito, N.; et al. 425†
REFLEX
Jaw opening reflexes. Azerad, J., and Woda, A. 668*
RELAXATION
Evaluation of bruxism control. Heller, R.F., and Forgione, A.G. 1120
RESEARCH
Pits in periodontal research. Hornbuckle, C.; et al. 211**
RESINS
Automated centrifuge for pour resins. Winkler, S.; et al. 909†
Resin system for fracture treatment. Jedrychowski, J., and Reisbick, M.H. 284
RIBONUCLEASE
Ribonuclease in salivary glands. Ball, W.D., and Nelson, N. 497**
RIBOSE
S mutans. Bridges, R.B., and Bryant, A.W. 633**
RIBS
Ilium vs rib in grating. Roser, S.M., et al. 430**
ROOT CANAL FILLING MATERIALS
Acid etching and sealability. Sands, S. L154**
Endodontic sealer cement. Tabibi, A., and Jensen, J.R. L155**
Endodontic silver points. Taylor, R.L.; et al. 519**
Endodontic silver points. Tayler, R.L.; et al. 520**
Non-eugenol sealer. Crane, D.; et al. L158**
Periapical reactions. Goldman, M.; et al. L153**
ROOT CANAL OBTURATION
Technics. Livsey, W.D., and Jensen, J.R. L157**
ROOT CANAL THERAPY
Apical closure with tricalcium phosphate. Koenigs, J.; et al. 320**
Failure of files. Chernick, L.B.; et al. 518**
Micro-organisms. Binnie, W.H., and Rowe, A.H. L411**
NaOCl as *in vitro* solvent. Trapagnier, C.M.; et al. 67**
SEM in endodontics. McComb, D., and Smith, D.C. L159**
ROOT RESORPTION
Resorbing root dentin. McEvoy, S. 347**

SALIVA
Acid production. Pearce, E.I., and Jenkins, G.N. L386**
Acidic protein from saliva. Leavitt, C.A.; et al. L96**
Affinity chromatography. Meechan, J.G., and Beeley, J.A. L90**
Amylase and gastrin. Ferguson, M.M. L1**
Ca^{++} activity. Larsen, M.J. L387**
Ca binding. Bennick, A., and Leung, T. L91**
Ca, Mg, Cu with saliva. Johnson, A.R. 573**
Carbohydrates in pellicles. Mayhall, C.W. 572**
Complement. Challacombe, S.J.; et al. L395**
DCPD stabilizing factors in saliva. Hay, D.I., and Grøn, P. 267**
Drug dynamics & oral soft tissues. Gjermo, P. B44
Enzymes and salivary glycoproteins. Toms, P.K., and Leach, S.A. L97**
Esterase from mouse. Schuster, G.S.; et al. 903†
Furosemide and electrolytes. McNerny, R.H.; et al. 395**
Galactosyltransferase in parotid saliva. Nakamura, R.; et al. 808
GK-101, NaOCl and salivary amylase. Cushner, S.C.; et al. 63**
Glycoprotein. Belcourt, A., and Klein, J.P. 674*
Glycoprotein fucosyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 417†
Glycoproteins in rat saliva. Embery, G., and Whitehead, E. L99**
GMP: glycoprotein sialyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 188†
Isoproterenol and salivary protein. Menaker, L.; et al. 568**
Merceptoenthanol and salivary aggregating factor. Hankin, S., and Kashket, S. 57**
Microbiological changes. Larmas, M.; et al. L80**
Mucus barrier. Adams, D. B19
Multiglycosyltransferanse system. Nakamura, R., and Tsunemitsu, A. C105*
O_2 in plaque and saliva. Globerman, D.Y., and Kleinberg, I. 119**
Parotid fluid proteins & caries. Balekjian, A.Y.; et al. 850
Parotid saliva in Down's syndrome. Winer, R.A., and Chauncey, H.H. 62
Personality and parotid saliva. Costa, P.T.; et al. 485**
Proline-rich glycoprotein. Boersma, A.; et al. 674*
Proline-rich glycoproteins. Balekjian, A.Y., and Longton, R.W. L101**
Proline rich proteins. Levine, M., and Keller, P.J. L100**
S mutans and hydroxyapatite. Magnusson, I., and Ericson, T. L531**
S species, preincubation, saliva, and aggregation. Chatterjee, R., and Kleinberg, I. 58**
Saliva and corrosion of alloys. Meyer, J.M., and Nally, J.N. 678*
Saliva-complement interactions. Boackle, R.J. 526**
Saliva-complement reactions. Pruitt, K.M., and Polhill, R.B. 527**
Saliva concentration, sucrose and enamel. Mundorff, S.A., and Bibby, B.G. 435**
Saliva in alcoholic cirrhosis. Abelson, D.C.; et al. 389**
Saliva in diabetes. Marder, M.Z.; et al. 391**
Salivary protein. Mandel, I.D., and Concool, B. L94**
Salivary protein adsorption. Glantz, P.; et al. L93**
Scintigraphy. Parret, J., and Peyrin, J.O. 674*
Sucrose and lactulose in salivary system. Mäkinen, K. K., and Rekola, M. 1244†
Analysis
Electro immunodiffusion for IgA in saliva. Setterstrom, J.A., and Gross, A. 56**
Fluoride in dog parotid saliva. Feller, R.P., and Shannon, I.L. 1213
Free fatty acids in saliva. Ward, M.E.; et al. 59**
Glucose tolerance tests, cyclic AMP and salivary glucose. Sproles, A.C., and Schaeffer, L.D. 49**
Immunoglobulins in minor salivary gland secretions. Crawford, J.M.; et al. 53**
Parotid fluid composition. Chauncey, H.H.; et al. 51**
Salivary composition. Mandel, I.D. B27
Enzymology
Cysteine desulfhydrase activity in saliva. Solis-Gaffar, M.C.; et al. 60**
Immunology
Immunology and human and monkey salivas. Ellison, S.A. 54**

Parotid fluid, immunodiffusion and oropharyngeal irradiation. Young, S.K.; et al. 55**
SALIVARY DUCT CALCULI
Plaque and submaxillary stones. Burstein, L.S.; et al. 130**
SALIVARY GLAND NEOPLASMS
Transplantable salivary neoplasms. Cappuccino, C.C., and Knox, W.E., III 394**
SALIVARY GLANDS
Adenyl cyclase and DNA. Catanzaro, O.L., and Flawia, M.S. 637*
Amylase in guinea pig salivary glands. Smith, R.J., and Frommer, J. 1027
Ascorbic acid levels. Bhatnager, P.K., and Zebrowski, E.J. 502-B**
Carbohydrate histochemistry. Pinkstaff, C.A., and Wilcox, W.B. 501**
Cariogenic diet. Lormee, P.; et al. 673*
Cyclic AMP in salivary glands. Schaeffer, L.D., and Krakowski, A. 574**
Diabetes in rat glands. de Aramburo, B.M.; et al. 639*
Gastrin and adenylyl cyclase. MacPhee, G.B.; et al. L197**
Genetic expression. Lapeyre, J., and Bekhor, I. L54**
Hormones and salivary ducts. Rins de David, M.L.; et al. 638*
K deficiency and rat salivary glands. Esposito, E.J.; et al. 398**
Palatinal gland secretion. Kaaber, S. L389**
Phosphatase and peroxidase. Kidd, A., and Garrett, J.R. L205**
Ribonuclease in salivary glands. Ball, W.D., and Nelson, N. 497**
Streptococcal effects on saliva protein. Cowman, R.A., and Fitzgerald, R.J. 298
Sympathetic nerve. Ueha, T., and Mita, N. C105*
Analysis
Lipids in salivary glands. Gray, R., and Rabinowitz, J.L. 496**
Enzymology
Measurement of salivary gland enzymes. Schuster, G. S.; et al. 1138
Physiology
Current research an oral fluids. Shannon, I.L., and Suddick, R.P. B8
SALIVATION
Radiation and salivation. Johansen, E.; et al. 393**
Time zone transitions. Ferguson, D.B.; et al. L199**
SALTS
Salt and acetic acid extraction of collagen. Schneir, M.; et al. 1095†
SCANNING ELECTRON MICROSCOPY, see MICROSCOPY, ELECTRON, SCANNING
SCHOOL DENTISTRY
Children's dental slide show. Kelly, T.; et al. 164**
School dental health program. Carter, H.G.; et al. 163**
Toothkeeper program. Fishman, S.R. 162**
SCHOOLS, DENTAL
Oral biology. Zaki, A.E., and Dooley, R.J. 382**
Periodontal department. Lipton, J.; et al. 381**
Periodontology in schools. Fine, D.; et al. 380**
SCIENCE
Keynote address: The uses of basic science. Stetten, D.W., Jr. C37
Opening address: Science versus technology. Myers, H.M. C35
SCOPOLAMINE
Blood corrtisol levels & oral surgery. Bunch, F.L.; et al. 965
SEALS
Acid etch. Abramovich, A., and Freire, F. 631*
SEBACEOUS GLANDS
Prevalence. Sewerin, I.B. L499**
SELENIUM
Se in enamel. Retief, D.H.; et al. L545**
SENSATION
Sensation in Cushing's syndrome. Catalanotto, F.A. 36**
SENSE ORGANS
Receptor inhibition. Mooser, G. L500**
SEPTICEMA
Experimental bacteremias. Silver, J.G.; and McBride, B.C. 234**
Toothbrushing. Moriarty, J.D.; et al. 608**
SEX CHROMOSOMES
Size in Macaca deciduous dentitions. Sirianni, J.E., and Swindler, D.R. 414†
SEX FACTORS
Molar relations in preschool children. Infante, P.F. 723
Sex and hand and wrist asymmetries. Auyang, S.M., and Harvold, E.P. 29**
Sexual dimorphism in the rat submandibular gland. Mudd, B.D., and White, S.C. 193†
Trifurcated molars. Hochstetter, R.L. 1097†
SHARKS
Shark enameloid. Kerebel, B., and Daculsi, G. L65**
SHEEP
Bone loss in sheep. Atkinson, P.J.; et al. L192**
SHREWS
Teeth and supporting tissues. Noble, H.W., and Lunt, D.A. L11**
SIALADENITIS
Allergic sialoadenitis. Dishon, T.; et al. L264**
SIALIC ACIDS
CMP: glycoprotein sialyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 188†
Testosterone and sialic acid. Curbelo, H.M., and Gamper, C.H. 637*
Thyroid and sialic acid. Curbelo, H.M., and Gamper, C.H. 637*
SIALYTRANSFERASE
CMP: glycoprotein sialyltransferase in saliva. Nakamura, R., and Tsunemitsu, A. 188†
SIBLING RELATIONS
Dental anomalies and clefts. Schroeder, D.C., and Green, L.J. 802
Molar relations in preschool children. Infante, P.F. 723
SILICON
Si and F in enamel. Levy, J.S., and Koritzer, R.T. 443**
SILVER
Gold in AgaSn-amalgam. Malhotra, M.L. 1099†
SIZE PERCEPTION
Effect of vibration. Morimoto, T.; et al. C103*
SJOGREN'S SYNDROME
Animal model. Greenspan, J.S.; et al. L269**
Isoamylases in Sjogren's syndrome. Wolf, R.O.; et al. 390**
Microglobulin in Sjogren's syndrome. Daniels, T.E.; et al. 529**
SKIN
Collagen metabolism. Skougaard, M.R., and Carsten, A.L. L25**
Hamster stratum corneum. Mackenzie, I.C., and Wheelock, D. L234**
Healing of mucosa vs skin. Berger, K., and Schneir, M. 303**
Solvents and penetration of acridine. Regezi, J.A. 1232†
SKULL
Cranial base and palatal shelf. Brinkley, L., and Avery, J.K. 144**
Fluorouracil and cranial base. Cho, H.W.; et al. 477**
Rat skull asymmetry. Koskinen, L. L191**
SLEEP
Hexobarbital sleeping times in mice. Rinchuse, D.J., and Smudski, J.W. 926
SMOKING
Gingival cytology of young smokers. Lainson, P.A., and Mackenzie, I.C. 73**
Mucosa in smokers. Mackenzie, I.C., and Nuki, I. 614B**
SNA ANGLE
SNA and SNB angles in Nubian children. Walker, S. J.; et al. 764
SNB ANGLE
SNA and SNB angles in Nubian children. Walker, S. J.; et al. 764
SOCIOECONOMIC FACTORS
Oral health status. Nikias, M.K.; et al. 166**

Practice location and job satisfaction. Overstreet, G. A.; et al. 48**
Weight, socioeconomics and maturity. Anderson, D.L.; et al. 33**
SODIUM
Salivary Na and aldosterone in hypertension. Wotman, S., and Baer, L. 52**
SODIUM CHLORIDE
Gingival healing. Fonseca, M.M.; et al. 641*
Microcirculation. Ireland, R.A. 651*
NaF, cyclic AMP and glucose in rat liver. Allman, D.W., and Benac, M. 284**
Pulp NaCl exposure. Quigley, M., and Kovarik, F. 219**
SODIUM HYPOCHLORITE
GK-101, NaOCl and salivary amylase. Cushner, S.G.; et al. 63**
NaOCl as *in vitro* solvent. Trapagnier, C.M.; et al. 67**
SOLUBILITY
Solubility and absorption of cements. Moser, J.B.; et al. 280
Solubility of fluorapatite. 2. Hagen, A.R. 384
Solubility of tooth enamel. Patel, P.R., and Brown, W.E. 728
SOLVENTS
Solvents and penetration of acridine. Regezi, J.A. 1232†
SOUTH CAROLINA
Tooth dimension and caries prevalence. Stern, S.P., and Curzon, M.E. 910†
SPECIALTIES, DENTAL
Attitude of specialty students. Barbanell, R.L., and Schnitman, P.A. 379**
SPECTROPHOTOMETRY
Feulgen microspectrophotometry. Doyle, J.L., and Manhold, J.H. 1196
Free fatty acids in saliva. Ward, M.E.; et al. 59**
Spectrophotometric assay. Iacono, V.J.; et al. L394**
SPEECH
Tooth position and palatal form. Du Plessis, J.B. 684*
SPIROCHAETA
Spherical body. Umemoto, T.; et al. C101*
SPLEEN
Plaque and mouse spleen lymphocytes. Chambers, D.A.; et al. 103**
STAINLESS STEEL
Steel crown cementation. Mathewson, R.J.; et al. L332**
361-L stainless steel. Sutow, E.J.; et al. 544**
STAINS AND STAINING
Gingival fluid. Suppipat, N. L258**
STATISTICS
Consistency vs validity in anticariogenic agents. Kamen, A., and Schreer, S.B. 1098†
STERILIZATION
Microwave radiation. Hume, W.R., and Makinson, O. F. 652*
STEROIDS
Metabolism of steroids. ElAttar, T.M. L425**
Movements during palatal development. Walker, B.E., and Quarles, J. 1200
Steroid and cartilage fibrillation. Silbermann, M. L119**
Steroid and humerus. Lindenbaum, E.; et al. L117**
Steroid and trigeminal ganglion. Finkelbrand, S., and Silbermann, M. L37**
STOMATITIS
Levamisole for stomatitis. Olson, J.A., and Nelms, D.C. 576**
STOMATITIS, APHTHOUS
Aphthous stomatitis and Behcet's disease. Hooks, J.J.; et al. 102**
Chromoglycic acid. Walker, D.M., and Dolby, A.E. L470**
Prevalence, 1958–71. Miller, M.F.; et al. L414**
Serum in stomatitis and periodontal disease. Rogers, R.S., III; et al. 532**
T-cell functions. Nelms, D.C., and Olson, J.A. L533**
STOMATITIS, DENTURE
Edentulous Cape Malays. Bester, D.; et al. 682*
STREPTOCOCCUS
Adsorption to solids. Olsson, J., and Krasse, B. L532**
Antigenic alterations. Howell, T.H., and Gibbons, R.J. 628**
Antigenic changes. Bratthall, D.; et al. L529**
Antigens. Marsh, P.D.; et al. L530**
Bacteriocin antagonism. Kolstad, R.A. L415**
Bacteriocins of S mutans. Hamada, S., and Ooshima, T. 140
Cariogenic potentials. Guinard, M.; et al. L535**
Characterization of levan. Ehrlich, J.; et al. 290
Chlorhexidine. Pakman, L.M.; et al. 630**
Diet duration and plaque variation. Dennis, D.A.; et al. 716
Distribution. Wyk, C.W., van; et al. 691*
Experimental endocarditis. Bahn, S.L.; et al. L405**
Extracellular enzymes. Bulkacz, J., and Hill, J.M. L12**
Failure of antiserum to penetrate plaque. Jenzano, J.W.; et al. 829
Free amino acid pools of cariogenic streptococci. Krzeminski, Z. 183†
Glucose metabolism. Yamada, T., and Carlsson, J. L296**
Glucose transport in S mutans. Schachtele, C.F. 330
Glycosyltransferase activity. Klein, J.P., and Guinard, M. L75**
Identification of streptococci. Heintz, C.E., and Oliet, S. 516**
Immunity to caries. McGhee, J.R.; et al. L401**
Inhibition of glucosyltransferase. Russell, M.W.; et al. L398**
Inhibition of phagocytosis. Trott, J.R.; et al. 650*
Kanamycin, S mutans and caries. Loesche, W.J.; et al. 335**
Lactic acid and ethanol. Mikx, F.H., and Hoeven, J.S., van der 660*
Manitol excretion. Kornman, K.S., and Loesche, W.J. 634**
Mercaptoethanol and salivary aggregating factor. Hankin, S., and Kashket, S. 57**
Oligopeptide and lactate. Kaneko, K., and Mishiro, Y. C102*
Oral implant. Emmings, F.G.; et al. L400**
Organic amine plaque inhibition. Bass, G.E.; et al. 968
Organic diamine inhibition of S mutans. Bass, G.E.; et al. 972
Plaque streptococcus. Hardie, J.M.; et al. L408**
Plasmid DNA in S faecalis. Clewell, D.B.; et al. L297**
Plasmid transfer in Streptococcus. Dunny, G.M., and Clewell, D.B. 238**
Polysaccharide in S mutans. Shockman, G.D.; et al. L67**
Polysaccharides. Guinard, M.; et al. 661*
Povidone-iodine and saline. Duany, L.F.; et al. 581**
Quantity and microbial composition of plaque. Staat, R.H.; et al. 872
Ribose biosynthesis. Bridges, R.B., and Bryant, A.W. 633**
S mutans and alkylamines. Warner, V.D.; et al. 215**
S mutans and caries. Huxley, H.G. 658*
S mutans and caries. Keene, H.J.; et al. L409**
S mutans and hydroxyapatite. Magnusson, I., and Ericson, T. L531**
S mutans and leukocytes. Taichman, N.S. L255**
S mutans bacteriocin. Delisle, A.L. 337**, L76**
S mutans bacteriocins. Morhart, R.E.; et al. 339**
S mutans gelling factor. Bladen, H.A.; et al. 341**
S mutans glucans. Trautner, K., and Bramstedt, F. L68**
S mutans glycosyltransferases. Sharma, M.; et al. L74**
S mutans identification. Jablon, J.M.; et al. 340**
S mutans in caries. Shklair, I.L.; et al. 333**
S mutans in individuals. Rogers, A.H. 650*
S mutans in infants' mouths. Berkowitz, R.J., and Jordan, H.V. 332**
S mutans in plaque. Berthold, P. L87**
S mutans in plaque. Loesche, W.J.; et al. 334**
S mutans in plaque. Woods, R.G. 650*
S mutans invertases. Tanzer, J.M.; et al. L66**

S mutans, low sucrose and rats. Dvarskas, R.A., and Coykendall, A.L. 330**
S mutans polysaccharides. Veld, J.H., and De Stoppelaar, J.D. L69**
S mutans proteolysis. Knuuttila, M.L., and Makinen, K.K. L79**
S mutans pyrophosphatase. Clark, G., and Frattali, V. L71**
S phages in oral cavity. Fukushima, H.; et al. C101*
S sanguis and cements. Ørstavik, J., and Ørstavik, D. L448**
S sanguis and Lancefield group H. Rosan, B. 522**
S sanguis strains. Coykendall, A.L., and Specht, P.A. L293**
S. species, preincubation, saliva and aggregation. Chatterjee, R., and Kleinberg, I. 58**
SEM of S mutans IgA. Riviere, G.R., and Cotton, W.R. L393**
Serum antibody titres. Reenen, J.F., van, and Coogan, M.M. 690*
SnF_2, $SnCl_2$, NaF and streptococcus. Walter, R., and Windeler, S. 623**
Solvents for extracellular polysaccharides. Lamberts, B.L. et al. 857
Streptococcal effects on saliva protein. Cowman, R.A., and Fitzgerald, R.J. 298
Streptococcal polysaccharides. Lamberts, B.L.; et al. 265**
Streptococci and hydroxyapatite. Herbison, R.J. L133**
Streptococci binding to hydroxyapatite. Liljemark, W.F., and Schauer, S.V. 269**
Streptococci in plaque and F. Schamschula, R.G.; et al. 652*
Streptococci in zoo animals. Elvin-Lewis, M.; et al. 331**
Streptococcus and red blood cell hemaglutination. Rolla, G.; et al. 230**
Streptococcus metabolism. Berry, C.W., and Henry, C.A. 229**
Streptomycin resistance. Westergren, G., and Emilson, C.G. L295**
Sugar alcohols and oral bacteria. Narkates, A.J.; et al. L82**
TiF_4 in amalgam and S mutans. Pape, H.R., Jr.; et al. 336**
Trace elements & dissolution by S mutans. Herbison, R.J., and Handelman, S.L. 1107
Typing S mutans. Smith, A.E., and Kolstad, R.A. 338**
Uptake of fluoride. Kashket, S., and Rodriguez, V.M. 624**
Volume vs. streptococcal population in plaque. Charlton, G.; et al. 1094†

STREPTOMYCES
Inhibition of caries. Osugi, T.; et al. C101*

STREPTOMYCIN
Streptomycin resistance. Westergren, G., and Emilson, C.G. L295**

STRESS, MECHANICAL
Analysis of stress in the mandible. Ralph, J.P., and Caputo, A.A. 814
Elasticity of dental amalgams. Powers, J.M., and Farah, J.W. 902†
Properties of gutta-percha points. Friedman, C.M.; et al. 921
Stress relaxation of amalgam. Paddon, J.M., and Wilson, A.D. 427†
Stresses in amalgam restorations. Farah, J.W.; et al. 10

STRESS, PSYCHOLOGICAL
Stress in MPD. Lipton, J.; et al. 483**

STRONTIUM
Desensitizing agents, strontium and dentin. Stazen, P.J., and Foreman, D.W. 189**
Sr & caries. Gedalia, I.; et al. 1240†
Sr in enamel. Helsby, C., and Nixon, G.S. L544**
Sr uptake by developing hard tissues. Gedalia, I. B125

STUDENTS, DENTAL
Attitude of specialty students. Barbanell, R.L., and Schnitman, P.A. 379**
Female dental students. Feldman-Orbach, N. 387**
Predicting performance. Smith, B.G. L552**
Process-performance. Gaines, W.G., et al. L550**
Selection interview. Houston, J.B. L551**

SUBLINGUAL GLAND
Kallikreins in rat glands. Orstavik, T.B.; et al. L202**

SUBMANDIBULAR GLAND
Aldehydes, alcohols, glycerol ethers. Gilbertson, J.R.; et al. 498**
APase & Na^+-APase in submandibular gland. Son, Y.; et al. 1100†
Ca^{2+}-ATPase in rat submandibular glands. Furuyama, S.; et al. 32
Choline deficiency and lipids. Alam, S.Q., and Alam, B.S. 397**
Duct ligation and I^{131} uptake. Davison, T.A.; et al. 638*
Excretory duct. Tandler, B., and Poulsen, J.H. 500**
Glucosaminoglucans. Barcelo, A.C.; et al. 637*
Growth factors. Jurand, J.G., and Thompson, V.B. L489**
Isoproterenol. Feiglin, B. 646*
K^+-NPase in submandibular gland. Son, Y.; et al. 418†
Monkeys. Jacobsen, N. L204**
Palmitic acid in lipids. Tonnellier, P.; et al. L390**
Pancreatin and submandibular gland. Lieb, R.J.; et al. 492**
Prepubertal gonadectomy in mice. Smith, R.J., and Frommer, J. 502-A**
Secretion in rat. DiCostanzo, G., and Leclercq, C. L392**
Sexual dimorphism in the rat submandibular gland. Mudd, B.D., and White, S.C. 193†
Submandibular gland in situ. Auvenshine, R.C.; et al. 494**
Submandibular gland metabolism. Zebrowski, E.J.; et al. 396**
Sympathetic denervation. Tumilasci, O.R.; et al. 639*
Testosterone and esteropeptidases. Hanks, C.T., and Chakrabarti, S.G. 499**
Testosterone, thyroid and sialic acid. Curbelo, H.M., and Gamper, C.H. 637*
Vascularization. Tonnellier, P.; et al. 673*
Analysis
Submandibular-gland esteropeptidase. Chakrabarti, S.G.; et al. 948
Submandibular gland granule-rich fraction. Hanks, C.T., and Chakrabarti, S.G. 938
Growth & development
Protein synthesis. Denny, P.C. 575**

SUCROSE
Carboxylic acids, sucrose & enamel dissolution. McDonald, J.L., Jr., and Stookey, G.K. 187†
Diet duration and plaque variation. Dennis, D.A.; et al. 716
Effects of sugar intake on plaque Ca & P. Ashley, F.P. 1015
F, sucrose and caries. Ostrom, C.A.; et al. 292**
Glycosyltransferase action. Newbrun, E.; et al. L72**
Ions in plaque fluid. Tatevossian, A. L259**
Levan formation by A viscosus. Miller, C.H.; et al. 906†
Oligosaccharides. Newbrun, E.; et al. L72**
Polysaccharide metabolism of plaque. Gawronski, T.H.; et al. 881
Quantity and microbial composition of plaque. Staat, R.H.; et al. 872
Rinses and plaque. Wilson, R.F., and Ashley, F.P. L84**
S mutans, low sucrose and rats. Dvarskas, R.A., and Coykendall, A.L. 330*
Saliva concentration, sucrose and enamel. Mundorff, S.A., and Bibby, B.G. 435**
Sucrose and lactulose in salivary system. Mäkinen, K.K., and Rekola, M. 1244†
Sucrose metabolism in plaque. Minah, G.E., and Loesche, W.J. 116**

SUGAR ALCOHOLS
Sugar alcohols and oral bacteria. Narkates, A.J.; et al. L82**

SUGAR PHOSPHATES
Effects of sugar intake on plaque Ca & P. Ashley, F.P. 1015
SUGARS
Sugar, pyridoxine, phytate and plaque. Cole, M.F. L83**
Sugar studies. Mäkinen, K.K., and Scheinin, A. L383**
Sugar studies. Scheinin, A.; et al. L335**
Sugar studies. Tenovuo, J.; et al. L384**
Sugars and plaque microbiology. Gehring, F.; et al. L81**
SURFACE-ACTIVE AGENTS
Surfactants and mucosa. Gordon, H.P., and Siegel, I.A. 509**
Surfactants and permeability of mucosa. Siegel, I.A. 407**
SURFACE PROPERTIES
Acid etching for pit & fissure sealant. Marshall, G.W.; et al. 1222
Antiseptics, enamel conditioning and plaque. Katz, S.; et al. 68**
Chlorhexidine interaction with monolayers. Fisher, R.G., and Quintana, R.P. 25
Effect of acid etch on $Sn_2F_3PO_4$ formation. Nordquist, W.D. 1154
Enamel surface. Bakhos, Y., and Brudevold, F. 446**
Enamel wettability. Reid, J.S., and MacDonald, D.G. 1176
Plaque inhibition by antiseptics. Katz, S.; et al. 69**
SEM study of dentinoenamel junction. Sela, J.; et al. 110
Surface-chemical studies on chlorhexidine. Fisher, R.G.; et al. 20
SURGERY, ORAL
Blood cortisol levels & oral surgery. Bunch, F.L.; et al. 965
Blood volume changes. Kelly, J.F.; et al. L562**
Bone regeneration. Rosling, B.; et al. L458**
Surgery and analgesics. Ayer, W.A.; et al. 482**
SWEETENING AGENTS
Caries and plaque flora. Karle, E., and Gehring, F. 660*
SWINE
Enamel defects in pig molar. Kerebel, B., and Clergeau-Guerithault, S. L221**
Palate formation. Rensburg, B.G., Van 590*
Pigs in periodontal research. Hornbuckle, C.; et al. 211**
Tooth development in swine. Bivin, W.S., and McClure, R.C. 244
SYMPATHETIC NERVOUS SYSTEM
Salivary glands. Ueha, T., and Mita, N. C105*
SYMPATHOMIMETICS
Blood flow effects. Gangarosa, L.P., and Larson, S.G. L30**

TASK PERFORMANCE AND ANALYSIS
Computerized evaluation of clinic operation. Leverett, D.H.; et al. 39**
TASTE
Facial expressions. Brightman, V.J. L564**
Receptor inhibition. Mooser, G. L500**
Sucrose solution. Ikeno, N.; et al. C104*
TASTE BUDS
Rat palate. Cleaton-Jones, P. 683*
TATOOING
Amalgam tatoo. Rowley, P.S.; et al. L486**
Amalgam tatoos. Hendy, J.A., and Lugassy, A.A. 77**
TECHNOLOGY
Opening address: Science versus technology. Myers, H.M. C35
TEICHOIC ACIDS
Endotoxin & lipoteichoic acid on bone. Hausmann, E.; et al. B94
TELEVISION
In vitro caries. Rodda, J.C. 654*
TEMPERATURE
Orthodontic direct bonding materials. Khowassah, M.A.; et al 146
TEMPOROMANDIBULAR JOINT
Articulation in gerbil. Provenza, D.V.; et al. 559**
Oxytalan-type fibers in temporomandibular joint. Luke, D.A. 1088†
TMJ control of tongue. Lowe, A.A. L374**
TMJ evaluation. Logsdon, L.C., and Chaconas, S.J. 556**
TMJ meniscus. Marshall, W.G. 649*
TEMPOROMANDIBULAR JOINT SYNDROME
Mandibular dysfunction. Solberg, W.K.; et al. 432**
Masticatory muscles in TMJ syndrome. Mercuri, L.G., and Laskin, D.M. 557**
Multicasusal analysis. Lipton, J., and Marbach, J. L565**
Psychophysiologic complaints in MPD. Gold, S.; et al. 480**
SEM of TMJ discs. Zimny, M.L., and Welch, M. 558**
Stress in MPD. Lipton, J. et al. 483**
TMJ and physical therapy. Seng, G.P.; et al. L476**
Transferase in TMJ patients. Marbach, J., and Levitt, M. 484**
Treatment method. Nel, J.C. 687*
TESTOSTERONE
Testosterone and sialic acid. Curbelo, H.M., and Gamper, C.H. 637*
TETRACYCLINE
Tetracycline and apatite. Nylen, M.U., and Termine, J.D. L313**
Tetracycline and parathyroid secretion. Bodak-Gyovai, L.Z., and Brightman, V.J. 420**
Tetracycline and ultrastructure. Kruger, B.J. 822
Tetracycline-HCl and ameloblasts. Simmelink, J.W. 419**
Tetracycline luminescence in teeth and bones. Hoerman, K.C. B131
THALAMIC NUCLEI
Pulp stimulation. Woda, A., and Azerad, J. 661*
THEOPHYLLINE
Dibutyryl-cAMP, theophylline and parotid gland. Fritz, M.E., and Grampp, W. L201**
THIOPHENES
Thiophene compounds. Lloyd, W.; et al. B87
THYMIDINE
Cell labeling. Ettinger, R.L., and Mackenzie, I.C. 620**
THYROID
Thyroid and sialic acid. Curbelo, H.M., and Gamper, C.H. 637*
TIN
Corrosion products of dental amalgam. Sarkar, N.K.; et al. 1031
Gold in Ag_3Sn-amalgam. Malhotra, M.L. 1099†
Nontoxic doses of F and Sn salts & rat liver metabolism. Allmann, D.W.; et al. 189†
TISSUE CULTURE
Autotransplantation of teeth. Söder, P.O., and Otteskog, P. L281**
Culture of mucosa. Gerson, S. 304**
Human gingiva. Mlinek, A., and Buchner, A. C96*
TITANIUM
Applications of Nitinol alloys. Civjan, S.; et al. 89
Fl, Ti & organic material. Bibby, B.G., and Little, M.F. B137
Implants with titanium. Young, F.A.; et al. 321**
Response to titanium implants. Lemons, J.E. B166
TONGUE
Candida and tongue. Jones, J.H., and Russell, C. L478**
Foliate area. Vandermer, J.D.; et al. 616**
Localization of bacteria on the tongue. Brady, J.M.; et al. 777
TMJ control of tongue. Lowe, A.A. L374**
Tongue brushing and plaque. Gross, A.; et al. 1236†
Tongue-lip pressures in aborigines. Proffitt, W.R.; et al. 1161
X-rays and lingual epithelium. de Rey, B.L., and Klein-Szanto, A.J. 631*
TONGUE HABITS
Oral EMG. Vitti, M.; et al. 844
TONGUE NEOPLASMS
Chronic dental irritation. Chino, T.; et al. C106*

TOOTH
- Age and crown height. Volchansky, A., and Cleaton-Jones, P. 691*
- ^{45}Ca uptake in calcified tissue. Yen, P.K., and Shaw, J.H. 346**
- Collagen secretion by tooth epithelium. Slavkin, H.C. 30**
- Control of shape. Osborn, J.W. L57**
- Cyclopia. Ritter, W. 664*
- Dental matrices. Orams, H.J. 646*
- Depositing metal films. O'Keefe, T.J., and Christie, R.D. L152**
- Developing rat teeth. Hammarstrom, L.E.; et al. L357**
- Electrical resistance of teeth. Outhwaite, W.C. 693†
- Fluoride and ^{45}Ca in teeth. Barry, S.C., and Stiles, H.M. 537**
- Form and shape. Guenther, H.L.; et al. L55**
- Genetic expression. Lapeyre, J., and Bekhor, I. L54**
- Model for tooth morphogenesis. Lehmann, R., and Slavkin, H.C. L56**
- Nerves. Matthews, B. L567**
- Prenatal development. Burdi, A.R.; et al. 697†
- Preservation by freezing. Otteskog, P., and Soder, P. L29**
- Proline -H^3 in frog teeth. Zaki, A.E. 262**
- SEM of pits and fissures. Galil, K.A., and Gwinnett, A.J. 437**
- Stature and tooth number in trisomy G. Falcetti, J.P.; et al. 34**
- Tooth chemistry. Chow, L.C., and Brown, W.E. 120**
- Tooth colonization of bacteria. Grisby, W.R., and Sabiston, C.B. 231**
- Tooth degradation. Hellmuth, E.W., and Katzer, R.L. 408**
- Tooth demineralization. Rowles, S.L., and Browne, R.M. L435**
- Trace metals in teeth. Stack, M.V.; et al. L106**
- Two-way communication. Bertrand, F.R. L195**
- Ultrasonics, H_2O_2 and tooth integrity. Ahmed, F.I., and Russell, C. L109**

Analysis
- Amalgam, Zn-PO_4 and Zn in teeth. Olsen, T., and Johansen, E. 536**

Anatomy & histology
- Teeth of Aleuts. Poole, A.E.; et al. 564**
- Tooth dimension and caries prevalence. Stern, S.P., and Curzon, M.E. 910†

Embryology
- Formation and eruption of teeth. Burdi, A.R. 366**

Growth & development
- Tooth development in swine. Bivin, W.S. and McClure, R.C. 244

Innervation
- Innervation of tooth and parodont. Weill, R.; et al. L185**

Transplantation
- Intrapulpal ligamental attachment. Monsour, F.N. 656*
- Tooth grafting. Kardos, T.B. 649*

TOOTH ABNORMALITIES
- Dental anomalies and clefts. Schroeder, D.C., and Green, L.J. 802
- "Ghost teeth." Bouyssou, M.; et al. 662*
- Tooth abnormalities. Adatia, A.K. C111*
- Trifurcated molars. Hochstetter, R.L. 1097†

TOOTH ABRASION
- Brushing, wear and plaque. Kreifeldt, J.G.; et al. 191**
- Dentin abrasion. Harte, D.B., and Manly, R.S. 188**
- SEM study of tooth wear. Shkurkin, G.V.; et al. 402

TOOTH, ARTIFICIAL
- Bonding denture resins. Koblitz, F.F.; et al. 138**
- PMMA teeth. Peterson, L.J.; et al. L247**
- Porcelain teeth. Valcke, C.F. 690*
- Prosthetic tooth implants. Weinstein, A.M.; et al. 281**
- Two-way communication. Bertrand, F.R. L195**

TOOTH ATTRITION
- Anterior tooth attrition in apes. Lavelle, C.L. 700†

TOOTH CALCIFICATION
- Dentin mineralization. Tomson, M.; et al. 350**
- Indole amines. Mechin, J.C. L113**
- Maternal vitamin A deficiency. Baume, L.J.; et al. 668*
- Mineralization of rat enamel. Glick, P.L., and Edie, J.W. 348**
- Odontoblast mitochondria. Sayegh, F., and Abousy, A. 251**

TOOTH, DECIDUOUS
- Deciduous molars. Infante, P.F. 469**
- Molar relations in preschool children. Infante, P.F. 723
- Resorbing root dentin. McEvoy, S. 347**
- Size in Macaca deciduous dentitions. Sirianni, J.E., and Swindler, D.R. 414†

TOOTH DISCOLORATION
- Tetracycline luminescence in teeth and bones. Hoerman, K.C. B131

TOOTH DISEASES
- Extractions in acute infections. Martis, C.S., and Karakasis, D.T. 59
- Macaca. Bowen, W.H., and Colman, G. L525**

TOOTH EROSION
- Beverages, erosion and molar fluoride. Shabat, E.; et al. 426†
- Phosphated acid drinks & tooth erosion. Reussner, G.H.; et al. 365
- SEM of cervical erosion. Brady, J.M., and Woody, R.D. 618**

TOOTH ERUPTION
- Bone remodeling. Duterloo, H.S., and Jansen, H.W. 669*
- Crevice depth. Smith, R.O. L487**
- Cyclic AMP in tooth eruption. Leever, D.; et al. 560**
- Delayed tooth eruption. Johnsen, D.C. 365**
- Dentin formation in erupting teeth. Holmstedt, J.O.; et al. 345**
- Effect of drugs. Chiba, M., and Tashiro, T. L38**
- Fluoride and caries in rats. Hunt, C.E.; et al. 289**
- Formation and eruption of teeth. Burdi, A.R. 366**
- Mitotic activity. Vatine, D. 663*
- Periodontal ligament. Michaeli, Y.; et al. L364**
- Physiology of rat incisor. Michaeli, Y.; et al. 891
- Tooth eruption in black children. Richardson, E.R.; et al. 468**

TOOTH EXFOLIATION
- Flotation technique preparation of fissure contents. Galil, K.A. 1093†

TOOTH EXTRACTION
- Aging and extraction wound healing. Amler, M.H. 78**
- Extraction and vascular changes. Castelli, W.A., and Nasjleti, C.E. 1237†
- Extractions in acute infections. Martis, C.S., and Karakasis, D.T. 59
- Maxillary post-extraction changes. Gill, H.I. L182**
- Oral bacteria. McMillan, M.D. 655*
- Volume changes. Gill, H.I. 653*

TOOTH FRACTURES
- Composite resin fracture restorations. Draughn, R.A. 17**
- Microleakage of repaired fractured incisors. Brose, J.; et al. 21**
- Repaired fractured incisor. Brose, J.; et al. L355**
- Resin system for fracture treatment. Jedrychowski, J., and Reisbick 284
- Tooth fracture, UV bonding and pulp. Greeley, C.B.; et al. 222**

TOOTH GERM
- Effect of dipyridyl on tooth germs. Hetem, S.; et al. 783
- Intercellular communication. Wolters, J.M., and Mullem, P.J. van 663*
- Reaggregation of cells. Sim, F.R.; et al. 646*
- Tooth hypoplasia. Kuroda, S. 106**
- Tooth tissue on collagen. Koch, W.E. 368**

TOOTH MIGRATION
- Mesial drift. Darling, A.I., and Yilmaz, R.S. L362**
- Parathyroidectomy. Duffot-Vignery, A., and Baron, R. 677*

TOOTH MOBILITY
- Accuracy of measurements. Selipsky, H., and Erickson, J.D. L260**

TOOTH MOVEMENT, MINOR
Cyclic AMP in tooth movement. Davidovitch, Z.; et al. 11**
Dentoalveolar changes. Ueki, K.; et al. C107*
Electric currents and tooth movement. Beeson, D.C.; et al. 251
Intermaxillary elastic traction. Mitts, C.M.; et al. 4**
TOOTH REIMPLANTATION
Early changes. Barbakow, J.H.; et al. 681*
TOOTH RESORPTION
SEM study of dentinoenamel junction. Sela, J.; et al. 110
TOOTH ROOT
Desensitization of tooth roots. Karlsson, U.L., and Penney, D.A. 982
Fibroblast attachment to root. Aleo, J.J.; et al. 299**
Marrow, root implants. Morris, M.L. 300**
PAA-alumina composite implant. Greenberg, A.R., and Kamel, I.L. 272**
Periodontal defects of submerged roots. Cooke, R.T.; et al. 199**
Pocket reattachment to root dentin. Register, A.A. 80**
Root dentin minerals. Pouzet, J.A., and Baud, C.A. L438**
Teeth of Iguana. Howes, R.I. L485**
TOOTH, UNERUPTED
Anatomy & histology
Histology of tooth fissures. Galil, K.A., and Gwinnett, A.J. 960
TOOTHBRUSHING
Bacteremia. Moriarty, J.D.; et al. 608**
Brushing, wear and plaque. Kreifeldt, J.G.; et al. 191**
Ergonomics of toothbrushing. Galinsky, M.; et al. L459**
Oral hygiene instruction. McAllan, L.; et al. L556**
SEM of dirty bristles. Maizumi, H. C109*
Tongue brushing and plaque. Gross, A.; et al. 1236†
Toothbrushes and abrasion of dentin. Harte, D.B., and Manly, R.S. 993
TRACE ELEMENTS
Developing enamel. Bawden, J.W., and Hammarstrom, L.E. L358**
Streptococci and hydroxyapatite. Herbison, R.J. L133**
Trace elements, acid and plaque. Cook, W.S.; et al. 117**
Trace elements and caries. Curzon, M.E., and Losee, F.L. 453**
Trace elements & dissolution by S mutans. Herbison, R.J., and Handelman, S.L. 1107
Trace metals in teeth. Stack, M.V.; et al. L106**
TRANSFERASES
Transferase in TMJ patients. Marbach, J., and Levitt, M. 484**
TRANSPLANTATION, ALLOGENIC
Radionuclide evaluation. Kelly, J.F.; et al. 562**
Rejection of allografts. Cohen, R.; et al. 426**
TRANSPLANTATION, HETEROLOGOUS
Collagen xenografts. DeVore, D.T. L271**
TRIAMCINOLONE ACETONIDE
TAC and craniofacial malformations in monkeys. Hendrickx, A.G.; et al. 35**
TRIGEMINAL NERVE
Cross suture in cats. Kemplay, S.K. L2**
Mouse embryonic trigeminal ganglion. Peach, R., and Koch, W.E. 374**
Mouse trigeminal ganglion neurons. Thornburg, L.P., and Hanker, J.S. 370**
Steroid and trigeminal ganglion. Finkelbrand, S., and Silbermann, M. L37**
Trigeminal nerve resection. Sarnat, B.G.; et al. 472**
Trigeminal trauma. Gregg, J.M., and Grady, J.D. 481**
TRIGEMINAL NEURALGIA
Brain stem mechanisms. Sessle, B.J., and Greenwood, L.F. B201
TRISOMY
Periodontal disease. Cutress, T.W. 658*
TRYPSIN
Palatal epithelium and mesenchyme. DePaola, D.P. L53**
TWINS
Dental arch width in twins. Rosenberg, J.J., and Green, L.J. 31**
Genetic determinants of antimeric teeth in twins. Potter, R.H.; et al. 28**

ULTRASONICS
Bacteria and sonic plaque dispersion. Robrish, S.A.; et al. 236**
Ultrasonics and material symmetry. Yoon, H.S., and Katz, J.L. 121**
Ultrasonics, H_2O_2 and tooth integrity. Ahmed, F.I., and Russell, C. L109**
ULTRAVIOLET RAYS
UV resin system and marginal leakage. Hembree, J.H., and Andrews, J.T. 20**
URIDINE DIPHOSPHATE GALACTOSE
Galactosyltransferase in parotid saliva. Nakamura, R.; et al. 808

VASOCONSTRICTOR AGENTS
Constrictor potentiation by POR-8. Waterson, J.G. B63
Local anesthetics. Waterson, and J.G., and Gerke, D.C. 656*
Local anesthetics and blood flow. Trapp, L.D.; et al. 401**
VASODILATOR AGENTS
Test system. Hume, W.R.; et al. 656*
VERMONT
Tooth dimension and caries prevalence. Stern, S.P., and Curzon, M.E. 910†
VERTICAL DIMENSION
Psychophysical research. Willigen, J.D. van; et al. L515**
VESTIBULOPLASTY
Vestibuloplasty with grafts. Maloney, P.L.; et al. 427**
VIRUSES
Viral agents and aerosols. Sims, R.; et al. L301**
VITALLIUM
Endosseous implants. Weiss, M.B.; et al. L251**
VITAMIN A
Avitaminosis A in rats. Nichols, C.; et al. 399**
Hypervitaminosis A and palate. Lorente, C.A. and Miller, S.A. 147**
Periodontal disease. Cutress, T.W. 658*
VITAMIN A DEFICIENCY
Cell proliferation. Nanda, R., and Romeo, D. L51**
Vitamin A deficiency. Brown, P.L., and Hayes, K.C. 413**
VITAMIN D
Pharmacology of bone. Sturtridge, W.C. B78
25-OH-D_3 metabolism. Horiuchi, N., and Suda, T. C108*

WATER POLLUTANTS
Conditions of water in dental units. Thé, S.D., and Van't Hof, M.A. 1064
WETTING AGENTS
Enamel wettability. Reid, J.S., and MacDonald, D.G. 1176
WOMEN
Female dental students. Feldman-Orbach, N. 387**
Women in professions. Frank, H., and Katcher, A. 386**
WOUND HEALING
Aging and extraction wound healing. Amler, M.H. 78**
Antifibrinolytics. Bergenholtz, A.; et al. L482**

Cells in bone healing. Cooper, L., Sr.; et al. 327**
Chlorhexidine and gingivectomy. Langebaek, J., and Bay L. L457**
KOH, gingivectomy and wound healing. Stokes, J.C.; et al. 415†
Methylprednisolone and cytochrome oxidase during wound healing. Fine, A.S.; et al. 95**
Optimal healing in monkeys. Lies, M.; et al. 79**
Oral bacteria. McMillan, M.D. 655*
Permeability of capillaries. McKinney, R.V.; et al. 325**
Prostaglandin E. Grower, M.F.; et al. 591**
WRIST
Sex and hand and wrist asymmetries. Auyang, S.M., and Harvold, E.P. 29**

XERORADIOGRAPHY
Bone diseases. Snyder, M.B.; et al. L424**
XEROSTOMIA
Artificial saliva. 'S-Gravenmade, E.J.; et al. 674*
Effect of radiation on solubility. Walker, R. 901†
Effects of xerostomia on oral microbes. Brown, L.R.; et al. 740
Lysozyme and immunoglobulin. Brown, L.R.; et al. L270**
Xerostomia and electrolytes. Dreizen, S.; et al. 392**
XYLITOL
S mutans proteolysis. Knuuttila, M.L., and Makinen, K.K. L79**
Xylitol and C albicans. Mäkinen, K.K.; et al. 1239†
Xylitol and plaque. Mouton, C.; et al. L78**

ZINC PHOSPHATE CEMENT
Amalgam, Zn-PO_4 and Zn in teeth. Olsen, T., and Johansen, E. 536**
Ultrasonic cement removal & band adhesion. Shaver, R.L.; et al. 206
ZYGOMA
Maxillofacial development. Jacobs, B., and Kronman, J.H. 476**